

# BEDIENUNGS- ANLEITUNG

## Expolite TourBlinder 600 FC

Art.-Nr. led26900



**01** Sicherheitshinweise

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Jedes Gerät wird vom Hersteller vollständig geprüft und ordnungsgemäß verpackt. Bitte stellen Sie vor Installation und Gebrauch sicher, dass Verpackung und Gerät in einwandfreiem Zustand sind. Bei Transportschäden wenden Sie sich an Ihren Händler und nehmen Sie das Gerät nicht in Betrieb.

Alle Anwender müssen die in dieser Anleitung genannten Warnungen und Bedienhinweise strikt einhalten. Schäden durch unsachgemäßen Gebrauch oder Missachtung dieser Anleitung sind von der Gewährleistung ausgeschlossen.

Im Rahmen der kontinuierlichen Produktentwicklung können sich technische Daten ohne Vorankündigung ändern.

### WARNUNG

- Prüfen Sie das Gerät nach Erhalt auf Transportschäden. Nehmen Sie ein beschädigtes Gerät nicht in Betrieb und wenden Sie sich umgehend an Ihren Händler.
- Das Gerät besitzt Schutzart IP65. Halten Sie das Gerät sauber und führen Sie mindestens alle drei Monate eine Wartung durch.
- Montieren Sie das Gerät nicht direkt auf entflammenden Oberflächen.
- Installation, Betrieb und Wartung dürfen nur von qualifiziertem Fachpersonal und streng nach den in dieser Anleitung beschriebenen Abläufen durchgeführt werden.
- Richten Sie das Gerät nicht direkt auf brennbare Objekte. Halten Sie zwischen Gerät und angestrahlttem Objekt einen Abstand von mindestens 3 m ein.
- Blicken Sie nicht direkt in die Lichtquelle (insbesondere Personen mit Epilepsie) – Gefahr von Augenschäden.
- Öffnen Sie das Gerät nicht zur eigenständigen Reparatur und nehmen Sie keine Veränderungen an der Konstruktion vor.
- Der elektrische Anschluss darf nur von dafür qualifiziertem Personal vorgenommen werden.
- Stellen Sie vor der Installation sicher, dass die Netzspannung mit der auf dem Gerät angegebenen Spannung übereinstimmt.
- Jedes Gerät muss ordnungsgemäß geerdet und nach den einschlägigen Normen elektrisch installiert werden.

### WARNUNG

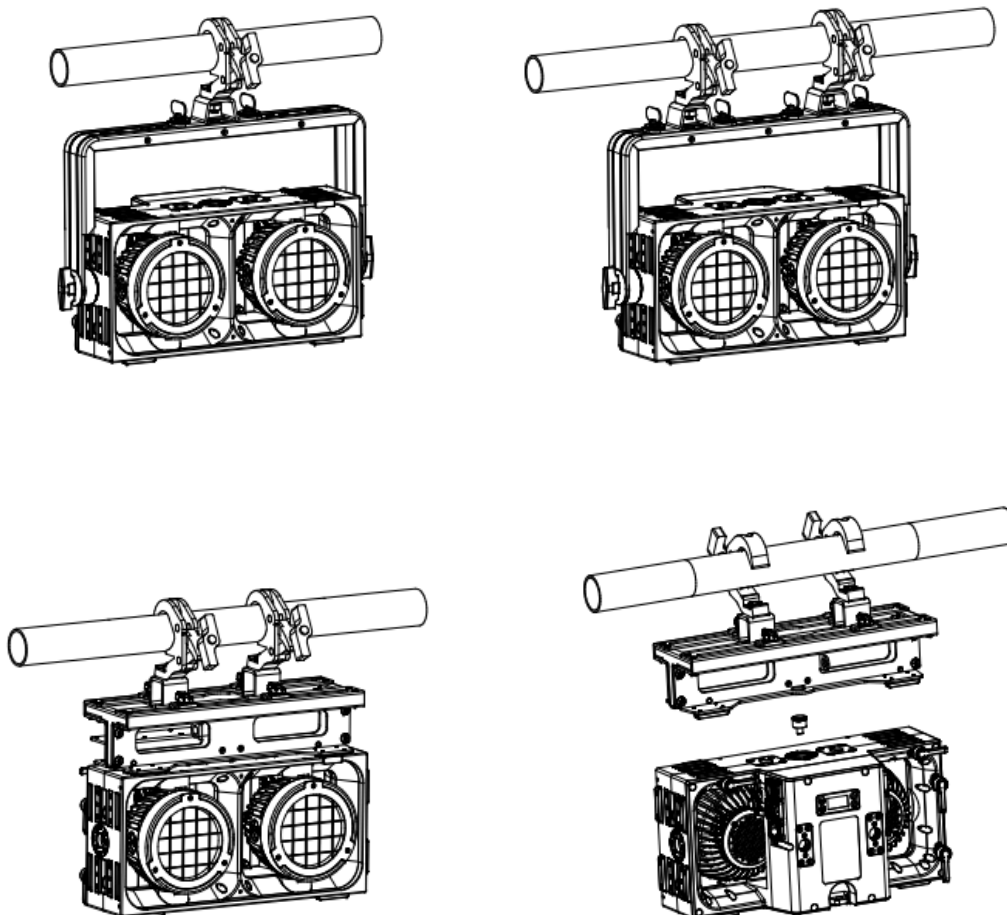
- Schließen Sie das Gerät nicht an Dimmergeräte an.
- Führen Sie bei hängender Montage aus Sicherheitsgründen das mitgelieferte Sicherheitsseil durch den Bügel bzw. die dafür vorgesehenen Punkte (siehe Kapitel 2).
- LED-Linse und Glasabdeckung müssen bei starken Kratzern oder Bruch ersetzt werden.
- Die Gehäuseoberfläche erreicht beim Einschalten bis zu 45 °C und im stabilen Dauerbetrieb bis zu 60 °C.
- Im Gerät befinden sich keine vom Anwender zu wartenden Teile. Prüfen Sie vor dem Betrieb, dass alle Abdeckungen montiert und alle Schrauben zuverlässig angezogen sind. Betreiben Sie das Gerät nicht mit geöffneter Abdeckung (bzw. geöffnetem Gehäuse).
- Bei Fragen oder Anregungen wenden Sie sich an Ihren Händler.

**Hinweis:** Alle Geräte verlassen das Werk vollständig geprüft und ordnungsgemäß verpackt. Schäden, die durch Missachtung dieser Anleitung oder durch Eingriffe am Gerät entstehen, sind von der Gewährleistung ausgeschlossen.

# 02 AUFBAU UND INSTALLATION

## 2.1 Montage

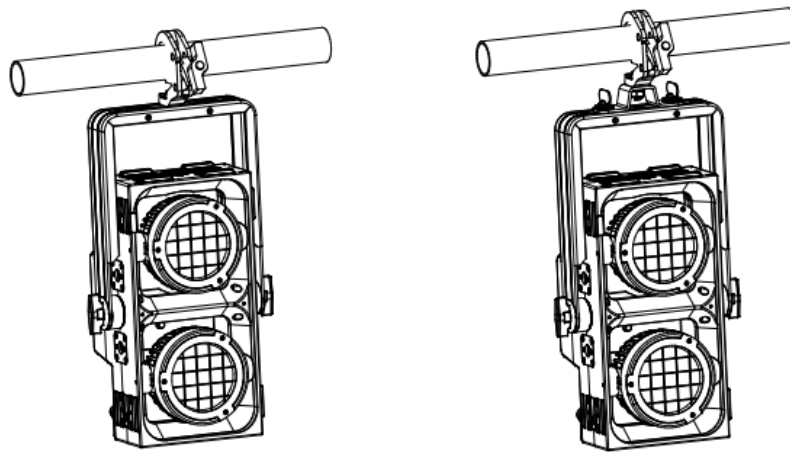
Das Gerät kann stehend auf ebenem Untergrund, hängend vertikal oder hängend seitlich montiert werden. Verwenden Sie für die Traversenmontage geeignete Klemmen am Montagebügel. Der Bügel kann zum Wechsel der Ausrichtung abgenommen werden (siehe Abbildung unten).



# 02 AUFBAU UND INSTALLATION

## 2.2 Hängende Montage

Für die vertikale hängende Montage wird der Montagebügel wie abgebildet umgesetzt. Sichern Sie das Gerät bei jeder hängenden Montage zusätzlich mit dem mitgelieferten Sicherheitsseil: Führen Sie das Seil durch den Griff bzw. die dafür vorgesehenen Punkte am Gehäuse.



**Achtung:** Hängende Montage nur durch qualifiziertes Personal. Prüfen Sie Klemmen, Schrauben und Sicherheitsseil vor jeder Verwendung.

# 03 DMX-VERBINDUNG

## 3.1 DMX-Verkettung

- Verbinden Sie die Geräte mit XLR-Signalleitungen: Der Ausgang des ersten Geräts wird mit dem Eingang des nächsten Geräts verbunden. Signalleitungen dürfen nur seriell, niemals parallel verlegt werden.
- Um Signalfehler, Abschwächung und Störungen bei der Übertragung zu vermeiden, kann am DMX-Ausgang des letzten Geräts ein Abschlusswiderstand von 120  $\Omega$  (1/4 W) zwischen Pin 2 und Pin 3 gesetzt werden.
- DMX512 überträgt mit hoher Geschwindigkeit. Beschädigte Signalleitungen, schlechte Lötstellen oder Wackelkontakte stören die Übertragung und können zum Ausfall des Systems führen.
- Wird ein Gerät vom Netz getrennt, verbindet ein Bypass DMX-Ein- und Ausgang, damit die DMX-Linie durchverbunden bleibt.
- Jedes Gerät benötigt eine Adresse, um die vom Pult gesendeten Daten zu empfangen.
- Je DMX-Linie können maximal 32 Geräte verbunden werden.



# 04 DMX-ADRESSIERUNG UND STROMVERSORGUNG

## 4.1 DMX-Adressierung

Die DMX-Startadresse wird abhängig vom gewählten Kanalmodus vergeben. Die folgende Tabelle zeigt den belegten Adressbereich des ersten Geräts sowie die Startadressen der ersten vier Geräte einer Linie. Ab dem vierten Gerät wird entsprechend dem Kanalmodus weitergezählt.

| Kanalmodus | Adressbereich | Gerät 1 | Gerät 2 | Gerät 3 | Gerät 4 |
|------------|---------------|---------|---------|---------|---------|
| 1CH        | 001-001       | 001     | 002     | 003     | 004     |
| 2CH        | 001-002       | 001     | 003     | 005     | 007     |
| 4CH        | 001-004       | 001     | 005     | 009     | 013     |
| 6CH        | 001-005       | 001     | 006     | 011     | 016     |
| 9CH        | 001-007       | 001     | 008     | 015     | 022     |
| 10CH       | 001-010       | 001     | 011     | 021     | 031     |
| 12CH       | 001-012       | 001     | 013     | 025     | 037     |
| 13CH       | 001-013       | 001     | 014     | 027     | 040     |
| 14CH       | 001-014       | 001     | 015     | 029     | 043     |
| 17CH       | 001-017       | 001     | 018     | 035     | 052     |
| 22CH       | 001-022       | 001     | 023     | 045     | 067     |
| 24CH       | 001-024       | 001     | 025     | 049     | 073     |
| 28CH       | 001-028       | 001     | 029     | 057     | 085     |
| 33CH       | 001-033       | 001     | 034     | 067     | 100     |
| 41CH       | 001-041       | 001     | 042     | 083     | 124     |



## 4.2 Stromversorgung

- Das Gerät verfügt über wasserdichte Netzein- und -ausgänge (POWER IN / POWER OUT) zum Durchschleifen der Stromversorgung.
- Mit einer Netzleitung von 1,5 mm<sup>2</sup> dürfen maximal 6 Geräte (bei 230 V) durchgeschleift werden.
- Schließen Sie nicht zu viele Geräte an und überlasten Sie einzelne Netzleitungen nicht.
- Verwenden Sie keine Netzleitungen mit beschädigter Isolierung und verlegen Sie Netzleitungen nicht auf anderen Leitungen.
- Ziehen Sie den Netzstecker, wenn das Gerät nicht verwendet oder gereinigt wird. Ziehen Sie dabei niemals an der Leitung.

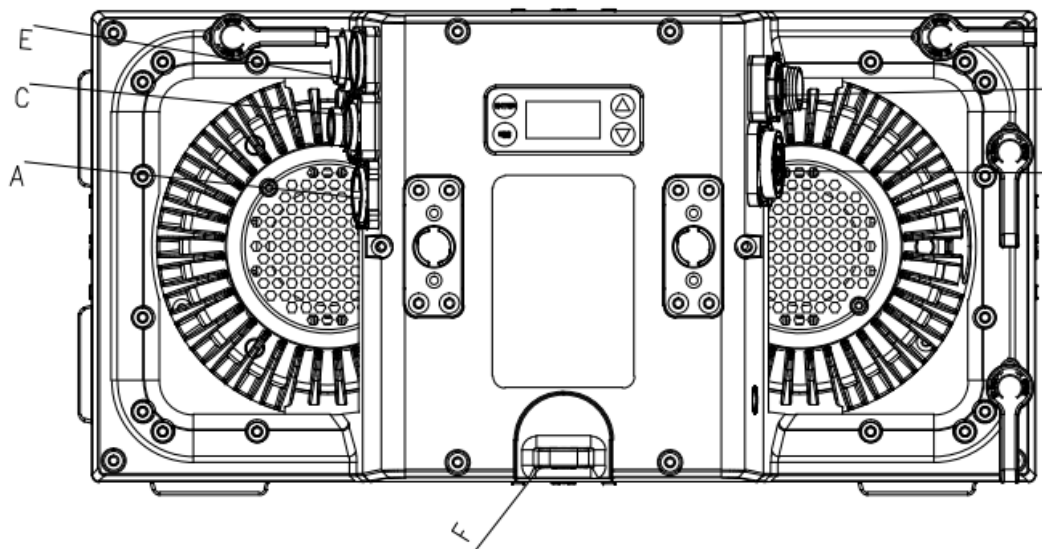


POWER IN



POWER OUT

## 5.1 Anschlüsse



|          |                                                   |
|----------|---------------------------------------------------|
| <b>A</b> | Netzeingang POWER IN, IP65 – 100–240 V, 50/60 Hz  |
| <b>B</b> | Netzausgang POWER OUT, IP65 – 100–240 V, 50/60 Hz |
| <b>C</b> | DMX-Eingang, 3-polig, wasserdicht                 |
| <b>D</b> | DMX-Ausgang, 3-polig, wasserdicht                 |
| <b>E</b> | USB-Port, IP65 – für Firmware-Updates             |
| <b>F</b> | Sicherheitshaken                                  |

## 5.2 Tasten

| Taste | Funktion                                      |
|-------|-----------------------------------------------|
| ESC   | Menüauswahl aufrufen / Menüebene verlassen    |
| UP    | Voriger Menüpunkt / Parameterwert erhöhen     |
| DOWN  | Nächster Menüpunkt / Parameterwert verringern |
| ENTER | Auswahl bestätigen / Parameter speichern      |

# 06 MENÜ

## 6.1 Menüstruktur

Das Hauptmenü wird über die Taste ESC aufgerufen. Zum Öffnen des Hauptmenüs wird das Passwort 8888 eingegeben. Die Menüpunkte entsprechen der Anzeige am Gerät und werden nicht übersetzt.

| Hauptmenü                   | Untermenü                                                                                                                                                                                                                                             | Optionen                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>1. DMX Address</b>       | 001-512                                                                                                                                                                                                                                               | Cancel / Confirm                                       |
| <b>2. DMX Channel Mode</b>  | 1CH DWE / 2CH DWE / 4CH DWE / 9CH DWE+ / 6CH STROBE / 6CH RGB / 10CH BASIC RGB / 14CH BASIC RGB / 13CH STANDARD RGB / 22CH STANDARD RGB / 24CH EXTENDED RGB / 33CH EXTENDED RGB / 10CH DIRECT / 12CH DIRECT / 17CH DIRECT / 28CH DIRECT / 41CH DIRECT |                                                        |
| <b>3. Manual Control</b>    | Stop Manual                                                                                                                                                                                                                                           |                                                        |
|                             | Auto Program                                                                                                                                                                                                                                          | Stop program / Program 1-10                            |
|                             | Color Macro                                                                                                                                                                                                                                           | Color macro off / Dimmer / Color macro                 |
|                             | Quick Light                                                                                                                                                                                                                                           | Dimmer / Strobe / Red / Green / Blue / Amber / White   |
|                             | Colour Temperature                                                                                                                                                                                                                                    | Dimmer / Strobe / Colour temperature / Green-red shift |
|                             | Custom Colors                                                                                                                                                                                                                                         | Color 1 - Color 5                                      |
|                             | Color Setting                                                                                                                                                                                                                                         | Calibration mode / Solid color mode                    |
| <b>4. Language</b>          | Chinese / English                                                                                                                                                                                                                                     |                                                        |
|                             | Key Lock                                                                                                                                                                                                                                              | Off / On (Password: 8888)                              |
| <b>5. Master/Slave Mode</b> | Master mode / Slave mode                                                                                                                                                                                                                              |                                                        |
| <b>6. Fixture Settings</b>  | Display Settings                                                                                                                                                                                                                                      | Display flip / Display brightness / Auto lock screen   |
|                             | Start Mode                                                                                                                                                                                                                                            | DMX / Auto program / Quick light                       |
|                             | Signal Hold                                                                                                                                                                                                                                           | Hold / Blackout / Full on                              |
|                             | Dimmer Curve                                                                                                                                                                                                                                          | Linear / Exponential / Logarithmic / S-curve           |
|                             | Dimmer Response                                                                                                                                                                                                                                       | LED / Medium / Halogen                                 |

## 6.1 Menüstruktur (Fortsetzung)

| Hauptmenü                     | Untermenü         | Optionen                                                   |
|-------------------------------|-------------------|------------------------------------------------------------|
|                               | DTW (Dim to Warm) | Off / On                                                   |
|                               | White Balance     | White balance / User defined                               |
|                               | LED Frequency     | 800 Hz / 1200 Hz / 2000 Hz / 3600 Hz / 12000 Hz / 25000 Hz |
|                               | Fan Mode          | Auto / Silent / Off / Maximum speed                        |
|                               | Invert Mapping    | Off / On                                                   |
|                               | Transfer Settings | With DMX / Without DMX                                     |
|                               | Power Setting     | Low power / High power                                     |
|                               | USB Update        | No / Yes                                                   |
|                               | Factory Setting   | Factory reset / Restore user settings / User-defined list  |
| <b>7. Fixture Information</b> | Software Version  | V1.0B                                                      |
|                               | Serial Number     | e.g. 202311280001                                          |
|                               | RDM ID            | 0x23370000000                                              |
|                               | Temperature       | LED1 / LED2                                                |
|                               | Power Time        | Total hours                                                |
|                               | Light Time        | LED1 / LED2 hours                                          |
|                               | Error Report      |                                                            |

**Hinweis:** In einer Signallinie darf nur ein Gerät als Master gesetzt werden. Entfernen Sie das DMX-Steuersignal, wenn die Master-Funktion verwendet wird. Bei der Synchronsteuerung mehrerer Geräte überträgt der Master u. a. DMX-Kanalmodus, Display-Einstellungen und Betriebszustand (einschließlich Benutzerprogrammdateien). Setzen Sie dafür das lokale Gerät als Master und alle weiteren Geräte als Slave.

## 7.1 Kanalübersicht

Das Gerät bietet 17 DMX-Kanalmodi. Die folgenden Tabellen zeigen zunächst die Kanalübersicht aller Modi und anschließend die detaillierte Belegung jedes Modus. Funktions- und Wertebezeichnungen entsprechen der Anzeige am Gerät und werden nicht übersetzt.

**Kanalpriorität:** Dimmen > Aufruf interner Programme > Aufruf von Benutzerprogrammen > ARGBW-Dimmen > HSV-Dimmen > Makrobefehle > Farbtemperatur.

**\*1 Device Settings:** Der jeweilige DMX-Wert muss für die angegebene Dauer (1,5 s bzw. 3 s) gehalten werden, bevor die Funktion ausgeführt wird.

# 07 DMX-KANALBELEGUNG

## 7.1 Kanalübersicht

| CH | 1CH DWE | 2CH DWE  | 4CH DWE         | 9CH DWE+        | 6CH STROBE    |
|----|---------|----------|-----------------|-----------------|---------------|
| 1  | Dimmer  | Dimmer 1 | Dimmer          | Master Dimmer   | Master Dimmer |
| 2  | —       | Dimmer 2 | Dimmer Curve    | Shutter         | Shutter       |
| 3  | —       | —        | Dimmer Response | Red             | Duration      |
| 4  | —       | —        | Redshift        | Green           | Dimmer 1      |
| 5  | —       | —        | —               | Blue            | Dimmer 2      |
| 6  | —       | —        | —               | CTC             | CTC           |
| 7  | —       | —        | —               | Dimmer Curve    | —             |
| 8  | —       | —        | —               | Dimmer Response | —             |
| 9  | —       | —        | —               | Redshift        | —             |

# 07 DMX-KANALBELEGUNG

## 7.1 Kanalübersicht (Fortsetzung)

| CH | 6CH RGB | 10CH BASIC RGB        | 14CH BASIC RGB        | 13CH STANDARD RGB |
|----|---------|-----------------------|-----------------------|-------------------|
| 1  | Red 1   | Master Dimmer         | Master Dimmer         | Master Dimmer     |
| 2  | Green 1 | Shutter               | Master Dimmer Fine    | Shutter           |
| 3  | Blue 1  | Red                   | Shutter               | Dimmer 1          |
| 4  | Red 2   | Green                 | Red                   | Red 1             |
| 5  | Green 2 | Blue                  | Red Fine              | Green 1           |
| 6  | Blue 2  | CTC                   | Green                 | Blue 1            |
| 7  | —       | Tint                  | Green Fine            | Dimmer 2          |
| 8  | —       | Color Macro           | Blue                  | Red 2             |
| 9  | —       | Color Macro Crossfade | Blue Fine             | Green 2           |
| 10 | —       | Device Settings       | CTC                   | Blue 2            |
| 11 | —       | —                     | Tint                  | CTC               |
| 12 | —       | —                     | Color Macro           | Tint              |
| 13 | —       | —                     | Color Macro Crossfade | Device Settings   |
| 14 | —       | —                     | Device Settings       | —                 |

# 07 DMX-KANALBELEGUNG

## 7.1 Kanalübersicht (Fortsetzung)

| CH | 22CH STANDARD RGB  | 24CH EXTENDED RGB       | 33CH EXTENDED RGB       |
|----|--------------------|-------------------------|-------------------------|
| 1  | Master Dimmer      | Master Dimmer           | Master Dimmer           |
| 2  | Master Dimmer Fine | Shutter                 | Master Dimmer Fine      |
| 3  | Shutter            | Duration                | Shutter                 |
| 4  | Dimmer 1           | Dimmer 1                | Duration                |
| 5  | Dimmer 1 Fine      | Red 1                   | Dimmer 1                |
| 6  | Red 1              | Green 1                 | Dimmer 1 Fine           |
| 7  | Red 1 Fine         | Blue 1                  | Red 1                   |
| 8  | Green 1            | CTC 1                   | Red 1 Fine              |
| 9  | Green 1 Fine       | Tint 1                  | Green 1                 |
| 10 | Blue 1             | Color Macro 1           | Green 1 Fine            |
| 11 | Blue 1 Fine        | Color Macro Crossfade 1 | Blue 1                  |
| 12 | Dimmer 2           | Dimmer 2                | Blue 1 Fine             |
| 13 | Dimmer 2 Fine      | Red 2                   | CTC 1                   |
| 14 | Red 2              | Green 2                 | Tint 1                  |
| 15 | Red 2 Fine         | Blue 2                  | Color Macro 1           |
| 16 | Green 2            | CTC 2                   | Color Macro Crossfade 1 |
| 17 | Green 2 Fine       | Tint 2                  | Dimmer 2                |
| 18 | Blue 2             | Color Macro 2           | Dimmer 2 Fine           |
| 19 | Blue 2 Fine        | Color Macro Crossfade 2 | Red 2                   |
| 20 | CTC                | Effect                  | Red 2 Fine              |
| 21 | Tint               | Dimmer Curve            | Green 2                 |
| 22 | Device Settings    | Dimmer Response         | Green 2 Fine            |
| 23 | —                  | Redshift                | Blue 2                  |
| 24 | —                  | Device Settings         | Blue 2 Fine             |
| 25 | —                  | —                       | CTC 2                   |
| 26 | —                  | —                       | Tint 2                  |
| 27 | —                  | —                       | Color Macro 2           |
| 28 | —                  | —                       | Color Macro Crossfade 2 |



# 07 DMX-KANALBELEGUNG

## 7.1 Kanalübersicht (Fortsetzung)

| CH | 22CH STANDARD RGB | 24CH EXTENDED RGB | 33CH EXTENDED RGB |
|----|-------------------|-------------------|-------------------|
| 29 | —                 | —                 | Effect            |
| 30 | —                 | —                 | Dimmer Curve      |
| 31 | —                 | —                 | Dimmer Response   |
| 32 | —                 | —                 | Redshift          |
| 33 | —                 | —                 | Device Settings   |

# 07 DMX-KANALBELEGUNG

## 7.1 Kanalübersicht (Fortsetzung)

| CH | 10CH DIRECT | 12CH DIRECT           | 17CH DIRECT     | 28CH DIRECT             | 41CH DIRECT             |
|----|-------------|-----------------------|-----------------|-------------------------|-------------------------|
| 1  | Red 1       | Master Dimmer         | Master Dimmer   | Master Dimmer           | Master Dimmer           |
| 2  | Green 1     | Shutter               | Shutter         | Shutter                 | Master Dimmer Fine      |
| 3  | Blue 1      | Red                   | Dimmer 1        | Duration                | Shutter                 |
| 4  | Amber 1     | Green                 | Red 1           | Dimmer 1                | Duration                |
| 5  | White 1     | Blue                  | Green 1         | Red 1                   | Dimmer 1                |
| 6  | Red 2       | Amber                 | Blue 1          | Green 1                 | Dimmer 1 Fine           |
| 7  | Green 2     | White                 | Amber 1         | Blue 1                  | Red 1                   |
| 8  | Blue 2      | CTC                   | White 1         | Amber 1                 | Red 1 Fine              |
| 9  | Amber 2     | Tint                  | Dimmer 2        | White 1                 | Green 1                 |
| 10 | White 2     | Color Macro           | Red 2           | CTC 1                   | Green 1 Fine            |
| 11 | —           | Color Macro Crossfade | Green 2         | Tint 1                  | Blue 1                  |
| 12 | —           | Device Settings       | Blue 2          | Color Macro 1           | Blue 1 Fine             |
| 13 | —           | —                     | Amber 2         | Color Macro Crossfade 1 | Amber 1                 |
| 14 | —           | —                     | White 2         | Dimmer 2                | Amber 1 Fine            |
| 15 | —           | —                     | CTC             | Red 2                   | White 1                 |
| 16 | —           | —                     | Tint            | Green 2                 | White 1 Fine            |
| 17 | —           | —                     | Device Settings | Blue 2                  | CTC 1                   |
| 18 | —           | —                     | —               | Amber 2                 | Tint 1                  |
| 19 | —           | —                     | —               | White 2                 | Color Macro 1           |
| 20 | —           | —                     | —               | CTC 2                   | Color Macro Crossfade 1 |
| 21 | —           | —                     | —               | Tint 2                  | Dimmer 2                |
| 22 | —           | —                     | —               | Color Macro 2           | Dimmer 2 Fine           |
| 23 | —           | —                     | —               | Color Macro Crossfade 2 | Red 2                   |
| 24 | —           | —                     | —               | Effect                  | Red 2 Fine              |
| 25 | —           | —                     | —               | Dimmer Curve            | Green 2                 |
| 26 | —           | —                     | —               | Dimmer Response         | Green 2 Fine            |
| 27 | —           | —                     | —               | Redshift                | Blue 2                  |
| 28 | —           | —                     | —               | Device Settings         | Blue 2 Fine             |

# 07 DMX-KANALBELEGUNG

## 7.1 Kanalübersicht (Fortsetzung)

| CH | 10CH DIRECT | 12CH DIRECT | 17CH DIRECT | 28CH DIRECT | 41CH DIRECT             |
|----|-------------|-------------|-------------|-------------|-------------------------|
| 29 | —           | —           | —           | —           | Amber 2                 |
| 30 | —           | —           | —           | —           | Amber 2 Fine            |
| 31 | —           | —           | —           | —           | White 2                 |
| 32 | —           | —           | —           | —           | White 2 Fine            |
| 33 | —           | —           | —           | —           | CTC 2                   |
| 34 | —           | —           | —           | —           | Tint 2                  |
| 35 | —           | —           | —           | —           | Color Macro 2           |
| 36 | —           | —           | —           | —           | Color Macro Crossfade 2 |
| 37 | —           | —           | —           | —           | Effect                  |
| 38 | —           | —           | —           | —           | Dimmer Curve            |
| 39 | —           | —           | —           | —           | Dimmer Response         |
| 40 | —           | —           | —           | —           | Redshift                |
| 41 | —           | —           | —           | —           | Device Settings         |

# 07 DMX-KANALBELEGUNG

7.2 1CH DWE / 2CH DWE / 4CH DWE

## 1CH DWE

| CH | Funktion | Wert    | Einstellung | Bemerkung |
|----|----------|---------|-------------|-----------|
| 1  | Dimmer   | 000-255 | 0 - 100%    |           |

## 2CH DWE

| CH | Funktion | Wert    | Einstellung | Bemerkung |
|----|----------|---------|-------------|-----------|
| 1  | Dimmer 1 | 000-255 | 0 - 100%    |           |
| 2  | Dimmer 2 | 000-255 | 0 - 100%    |           |

## 4CH DWE

| CH | Funktion        | Wert    | Einstellung                                     | Bemerkung                             |
|----|-----------------|---------|-------------------------------------------------|---------------------------------------|
| 1  | Dimmer          | 000-255 | 0 - 100%                                        |                                       |
| 2  | Dimmer Curve    | 000-051 | No function - current preset from menu settings |                                       |
|    |                 | 052-101 | Linear dimmer curve                             |                                       |
|    |                 | 102-152 | Exponential dimmer curve                        |                                       |
|    |                 | 153-203 | Logarithmic dimmer curve                        |                                       |
|    |                 | 204-255 | S-curve dimmer curve                            |                                       |
| 3  | Dimmer Response | 000-063 | No function - current preset from menu settings |                                       |
|    |                 | 064-127 | LED / fast                                      |                                       |
|    |                 | 128-191 | Medium                                          |                                       |
|    |                 | 192-255 | Halogen / slow                                  |                                       |
| 4  | Redshift        | 000-084 | No function - current preset from menu settings | Redshift affects only CCT 2700-3500 K |
|    |                 | 085-170 | Redshift off                                    |                                       |

# 07 DMX-KANALBELEGUNG

## 7.2 9CH DWE+

| CH | Funktion         | Wert    | Einstellung | Bemerkung |
|----|------------------|---------|-------------|-----------|
| 4  | Redshift (cont.) | 171-255 | Redshift on |           |

## 9CH DWE+

| CH | Funktion      | Wert    | Einstellung                                  | Bemerkung |
|----|---------------|---------|----------------------------------------------|-----------|
| 1  | Master Dimmer | 000-255 | 0 - 100%                                     |           |
| 2  | Shutter       | 000-019 | Shutter closed                               |           |
|    |               | 020-024 | Shutter open                                 |           |
|    |               | 025-064 | Strobe 1 (fast → slow)                       |           |
|    |               | 065-069 | Shutter open                                 |           |
|    |               | 070-084 | Strobe 2: opening pulse (fast → slow)        |           |
|    |               | 085-089 | Shutter open                                 |           |
|    |               | 090-104 | Strobe 3: closing pulse (fast → slow)        |           |
|    |               | 105-109 | Shutter open                                 |           |
|    |               | 110-124 | Strobe 4: random strobe (fast → slow)        |           |
|    |               | 125-129 | Shutter open                                 |           |
|    |               | 130-144 | Strobe 5: random opening pulse (fast → slow) |           |
|    |               | 145-149 | Shutter open                                 |           |
|    |               | 150-164 | Strobe 6: random closing pulse (fast → slow) |           |
|    |               | 165-169 | Shutter open                                 |           |
|    |               | 170-184 | Strobe 7: burst pulse (fast → slow)          |           |
|    |               | 185-189 | Shutter open                                 |           |
|    |               | 190-204 | Strobe 8: random burst pulse (fast → slow)   |           |

# 07 DMX-KANALBELEGUNG

## 7.2 9CH DWE+ (Fortsetzung)

| CH       | Funktion          | Wert    | Einstellung                                                 | Bemerkung              |
|----------|-------------------|---------|-------------------------------------------------------------|------------------------|
| <b>2</b> | Shutter (cont.)   | 205-209 | Shutter open                                                |                        |
|          |                   | 210-224 | Strobe 9: sine wave (fast → slow)                           |                        |
|          |                   | 225-229 | Shutter open                                                |                        |
|          |                   | 230-244 | Strobe 10: burst (fast → slow)                              |                        |
|          |                   | 245-255 | Shutter open                                                |                        |
| <b>3</b> | Red               | 000-255 | 0 - 100%                                                    |                        |
| <b>4</b> | Green             | 000-255 | 0 - 100%                                                    |                        |
| <b>5</b> | Blue              | 000-255 | 0 - 100%                                                    |                        |
| <b>6</b> | CTC (affects RGB) | 000-004 | 5600 K                                                      | According to CTC chart |
|          |                   | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|          |                   | 182-182 | 5600 K                                                      |                        |
|          |                   | 226-226 | 6500 K                                                      |                        |
|          |                   | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |
| <b>7</b> | Dimmer Curve      | 000-051 | No function - current preset from menu settings             |                        |
|          |                   | 052-101 | Linear dimmer curve                                         |                        |
|          |                   | 102-152 | Exponential dimmer curve                                    |                        |
|          |                   | 153-203 | Logarithmic dimmer curve                                    |                        |
|          |                   | 204-255 | S-curve dimmer curve                                        |                        |
| <b>8</b> | Dimmer Response   | 000-063 | No function - current preset from menu settings             |                        |
|          |                   | 064-127 | LED / fast                                                  |                        |
|          |                   | 128-191 | Medium                                                      |                        |

# 07 DMX-KANALBELEGUNG

## 7.2 6CH STROBE

| CH       | Funktion                | Wert    | Einstellung                                     | Bemerkung                             |
|----------|-------------------------|---------|-------------------------------------------------|---------------------------------------|
| <b>8</b> | Dimmer Response (cont.) | 192-255 | Halogen / slow                                  |                                       |
| <b>9</b> | Redshift                | 000-084 | No function - current preset from menu settings | Redshift affects only CCT 2700-3500 K |
|          |                         | 085-170 | Redshift off                                    |                                       |
|          |                         | 171-255 | Redshift on                                     |                                       |

## 6CH STROBE

| CH       | Funktion      | Wert    | Einstellung                                  | Bemerkung |
|----------|---------------|---------|----------------------------------------------|-----------|
| <b>1</b> | Master Dimmer | 000-255 | 0 - 100%                                     |           |
| <b>2</b> | Shutter       | 000-019 | Shutter closed                               |           |
|          |               | 020-024 | Shutter open                                 |           |
|          |               | 025-064 | Strobe 1 (fast → slow)                       |           |
|          |               | 065-069 | Shutter open                                 |           |
|          |               | 070-084 | Strobe 2: opening pulse (fast → slow)        |           |
|          |               | 085-089 | Shutter open                                 |           |
|          |               | 090-104 | Strobe 3: closing pulse (fast → slow)        |           |
|          |               | 105-109 | Shutter open                                 |           |
|          |               | 110-124 | Strobe 4: random strobe (fast → slow)        |           |
|          |               | 125-129 | Shutter open                                 |           |
|          |               | 130-144 | Strobe 5: random opening pulse (fast → slow) |           |
|          |               | 145-149 | Shutter open                                 |           |
|          |               | 150-164 | Strobe 6: random closing pulse (fast → slow) |           |
|          |               | 165-169 | Shutter open                                 |           |

# 07 DMX-KANALBELEGUNG

## 7.2 6CH RGB

| CH | Funktion        | Wert    | Einstellung                                                 | Bemerkung                               |
|----|-----------------|---------|-------------------------------------------------------------|-----------------------------------------|
| 2  | Shutter (cont.) | 170-184 | Strobe 7: burst pulse (fast → slow)                         |                                         |
|    |                 | 185-189 | Shutter open                                                |                                         |
|    |                 | 190-204 | Strobe 8: random burst pulse (fast → slow)                  |                                         |
|    |                 | 205-209 | Shutter open                                                |                                         |
|    |                 | 210-224 | Strobe 9: sine wave (fast → slow)                           |                                         |
|    |                 | 225-229 | Shutter open                                                |                                         |
|    |                 | 230-244 | Strobe 10: burst (fast → slow)                              |                                         |
|    |                 | 245-255 | Shutter open                                                |                                         |
| 3  | Duration        | 000-255 | 0 - 100% (0 ms - 510 ms)                                    | Only affects Strobe 1 (Shutter 025-064) |
| 4  | Dimmer 1        | 000-255 | 0 - 100%                                                    |                                         |
| 5  | Dimmer 2        | 000-255 | 0 - 100%                                                    |                                         |
| 6  | CTC             | 000-004 | 5600 K                                                      | According to CTC chart                  |
|    |                 | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                                         |
|    |                 | 182-182 | 5600 K                                                      |                                         |
|    |                 | 226-226 | 6500 K                                                      |                                         |
|    |                 | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                                         |

## 6CH RGB

| CH | Funktion | Wert    | Einstellung | Bemerkung |
|----|----------|---------|-------------|-----------|
| 1  | Red 1    | 000-255 | 0 - 100%    |           |
| 2  | Green 1  | 000-255 | 0 - 100%    |           |



# 07 DMX-KANALBELEGUNG

## 7.2 10CH BASIC RGB

| CH | Funktion | Wert    | Einstellung | Bemerkung |
|----|----------|---------|-------------|-----------|
| 3  | Blue 1   | 000-255 | 0 - 100%    |           |
| 4  | Red 2    | 000-255 | 0 - 100%    |           |
| 5  | Green 2  | 000-255 | 0 - 100%    |           |
| 6  | Blue 2   | 000-255 | 0 - 100%    |           |

## 10CH BASIC RGB

| CH | Funktion      | Wert    | Einstellung                                  | Bemerkung |
|----|---------------|---------|----------------------------------------------|-----------|
| 1  | Master Dimmer | 000-255 | 0 - 100%                                     |           |
| 2  | Shutter       | 000-019 | Shutter closed                               |           |
|    |               | 020-024 | Shutter open                                 |           |
|    |               | 025-064 | Strobe 1 (fast → slow)                       |           |
|    |               | 065-069 | Shutter open                                 |           |
|    |               | 070-084 | Strobe 2: opening pulse (fast → slow)        |           |
|    |               | 085-089 | Shutter open                                 |           |
|    |               | 090-104 | Strobe 3: closing pulse (fast → slow)        |           |
|    |               | 105-109 | Shutter open                                 |           |
|    |               | 110-124 | Strobe 4: random strobe (fast → slow)        |           |
|    |               | 125-129 | Shutter open                                 |           |
|    |               | 130-144 | Strobe 5: random opening pulse (fast → slow) |           |
|    |               | 145-149 | Shutter open                                 |           |
|    |               | 150-164 | Strobe 6: random closing pulse (fast → slow) |           |
|    |               | 165-169 | Shutter open                                 |           |

# 07 DMX-KANALBELEGUNG

## 7.2 10CH BASIC RGB (Fortsetzung)

| CH | Funktion                        | Wert    | Einstellung                                                 | Bemerkung              |
|----|---------------------------------|---------|-------------------------------------------------------------|------------------------|
| 2  | Shutter (cont.)                 | 170-184 | Strobe 7: burst pulse (fast → slow)                         |                        |
|    |                                 | 185-189 | Shutter open                                                |                        |
|    |                                 | 190-204 | Strobe 8: random burst pulse (fast → slow)                  |                        |
|    |                                 | 205-209 | Shutter open                                                |                        |
|    |                                 | 210-224 | Strobe 9: sine wave (fast → slow)                           |                        |
|    |                                 | 225-229 | Shutter open                                                |                        |
|    |                                 | 230-244 | Strobe 10: burst (fast → slow)                              |                        |
|    |                                 | 245-255 | Shutter open                                                |                        |
| 3  | Red                             | 000-255 | 0 - 100%                                                    |                        |
| 4  | Green                           | 000-255 | 0 - 100%                                                    |                        |
| 5  | Blue                            | 000-255 | 0 - 100%                                                    |                        |
| 6  | CTC (affects RGB)               | 000-004 | 5600 K                                                      | According to CTC chart |
|    |                                 | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|    |                                 | 182-182 | 5600 K                                                      |                        |
|    |                                 | 226-226 | 6500 K                                                      |                        |
|    |                                 | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |
| 7  | Tint (affects CTC and RGB)      | 000-127 | Magenta → Neutral                                           |                        |
|    |                                 | 128-128 | Neutral                                                     |                        |
|    |                                 | 129-255 | Neutral → Green                                             |                        |
| 8  | Color Macro (overrides RGB/CTC) | 000-255 | See colour macro chart                                      |                        |

# 07 DMX-KANALBELEGUNG

## 7.2 10CH BASIC RGB (Fortsetzung)

| CH | Funktion              | Wert    | Einstellung                                 | Bemerkung |
|----|-----------------------|---------|---------------------------------------------|-----------|
| 9  | Color Macro Crossfade | 000-005 | No function                                 |           |
|    |                       | 006-105 | 0.1 s - 10 s (0.1 s steps)                  |           |
|    |                       | 106-214 | 11 s - 119 s (1 s steps)                    |           |
|    |                       | 215-244 | 2 m - 4 m 50 s (10 s steps)                 |           |
|    |                       | 245-255 | 5 m - 15 m (1 m steps)                      |           |
| 10 | Device Settings *1    | 000-029 | No function                                 |           |
|    |                       | 030-034 | Display backlight on (hold 3 s)             |           |
|    |                       | 035-039 | Display backlight off (hold 3 s)            |           |
|    |                       | 040-044 | No function                                 |           |
|    |                       | 045-049 | DMX fail: blackout (hold 3 s)               |           |
|    |                       | 050-054 | DMX fail: hold (hold 3 s)                   |           |
|    |                       | 055-059 | DMX fail: emergency light (hold 3 s)        |           |
|    |                       | 060-064 | No function                                 |           |
|    |                       | 065-069 | Linear dimmer curve (hold 1.5 s)            |           |
|    |                       | 070-074 | Exponential dimmer curve (hold 1.5 s)       |           |
|    |                       | 075-079 | Logarithmic dimmer curve (hold 1.5 s)       |           |
|    |                       | 080-084 | S-curve dimmer curve (hold 1.5 s)           |           |
|    |                       | 085-089 | No function                                 |           |
|    |                       | 090-094 | LED (fast) dimmer response (hold 1.5 s)     |           |
|    |                       | 095-099 | Medium dimmer response (hold 1.5 s)         |           |
|    |                       | 100-104 | Halogen (slow) dimmer response (hold 1.5 s) |           |

# 07 DMX-KANALBELEGUNG

## 7.2 10CH BASIC RGB (Fortsetzung)

| CH        | Funktion                      | Wert    | Einstellung                                           | Bemerkung |
|-----------|-------------------------------|---------|-------------------------------------------------------|-----------|
| <b>10</b> | Device Settings *1<br>(cont.) | 105-109 | No function                                           |           |
|           |                               | 110-114 | Redshift on (hold 1.5 s,<br>affects only 2700-3500 K) |           |
|           |                               | 115-119 | Redshift off (hold 1.5 s)                             |           |
|           |                               | 120-124 | No function                                           |           |
|           |                               | 125-129 | Full calibration<br>(colours & CCT, hold 3 s)         |           |
|           |                               | 130-134 | CCT calibration (RAW<br>colours, hold 3 s)            |           |
|           |                               | 135-139 | No function                                           |           |
|           |                               | 140-144 | LED frequency 800 Hz<br>(hold 3 s)                    |           |
|           |                               | 145-149 | LED frequency 1200 Hz<br>(hold 3 s)                   |           |
|           |                               | 150-154 | LED frequency 2000 Hz<br>(hold 3 s)                   |           |
|           |                               | 155-159 | LED frequency 3600 Hz<br>(hold 3 s)                   |           |
|           |                               | 160-164 | LED frequency 12 kHz<br>(hold 3 s)                    |           |
|           |                               | 165-169 | LED frequency 25 kHz<br>(hold 3 s)                    |           |
|           |                               | 170-174 | No function                                           |           |
|           |                               | 175-179 | Fan auto (hold 3 s)                                   |           |
|           |                               | 180-184 | Fan silent (hold 3 s)                                 |           |
|           |                               | 185-189 | Fan off (hold 3 s)                                    |           |
|           |                               | 190-194 | Fan high power (hold 3 s)                             |           |
|           |                               | 195-199 | No function                                           |           |
|           |                               | 200-214 | Invert mapping off<br>(hold 3 s)                      |           |
|           |                               | 215-219 | Invert mapping on<br>(hold 3 s)                       |           |

# 07 DMX-KANALBELEGUNG

## 7.2 14CH BASIC RGB

| CH | Funktion                      | Wert    | Einstellung                            | Bemerkung                                                                                 |
|----|-------------------------------|---------|----------------------------------------|-------------------------------------------------------------------------------------------|
| 10 | Device Settings *1<br>(cont.) | 220-224 | No function                            |                                                                                           |
|    |                               | 225-229 | LED mode: illumination<br>(hold 1.5 s) |                                                                                           |
|    |                               | 230-234 | LED mode: boost (hold<br>1.5 s)        |                                                                                           |
|    |                               | 235-239 | No function                            |                                                                                           |
|    |                               | 240-244 | Factory reset (hold 3 s)               | Reset only starts if the<br>shutter channel is set<br>to DMX 250                          |
|    |                               | 245-249 | User reset (hold 3 s)                  | Reset only starts if the<br>shutter channel is set<br>to DMX 250, no self-<br>test by DMX |
|    |                               | 250-255 | No function                            |                                                                                           |

## 14CH BASIC RGB

| CH | Funktion           | Wert    | Einstellung                              | Bemerkung |
|----|--------------------|---------|------------------------------------------|-----------|
| 1  | Master Dimmer      | 000-255 | 0 - 100%                                 |           |
| 2  | Master Dimmer Fine | 000-255 | 0 - 100%                                 |           |
| 3  | Shutter            | 000-019 | Shutter closed                           |           |
|    |                    | 020-024 | Shutter open                             |           |
|    |                    | 025-064 | Strobe 1 (fast → slow)                   |           |
|    |                    | 065-069 | Shutter open                             |           |
|    |                    | 070-084 | Strobe 2: opening<br>pulse (fast → slow) |           |
|    |                    | 085-089 | Shutter open                             |           |
|    |                    | 090-104 | Strobe 3: closing pulse<br>(fast → slow) |           |
|    |                    | 105-109 | Shutter open                             |           |
|    |                    | 110-124 | Strobe 4: random<br>strobe (fast → slow) |           |
|    |                    | 125-129 | Shutter open                             |           |

# 07 DMX-KANALBELEGUNG

## 7.2 14CH BASIC RGB (Fortsetzung)

| CH        | Funktion          | Wert    | Einstellung                                              | Bemerkung              |
|-----------|-------------------|---------|----------------------------------------------------------|------------------------|
| <b>3</b>  | Shutter (cont.)   | 130-144 | Strobe 5: random opening pulse (fast → slow)             |                        |
|           |                   | 145-149 | Shutter open                                             |                        |
|           |                   | 150-164 | Strobe 6: random closing pulse (fast → slow)             |                        |
|           |                   | 165-169 | Shutter open                                             |                        |
|           |                   | 170-184 | Strobe 7: burst pulse (fast → slow)                      |                        |
|           |                   | 185-189 | Shutter open                                             |                        |
|           |                   | 190-204 | Strobe 8: random burst pulse (fast → slow)               |                        |
|           |                   | 205-209 | Shutter open                                             |                        |
|           |                   | 210-224 | Strobe 9: sine wave (fast → slow)                        |                        |
|           |                   | 225-229 | Shutter open                                             |                        |
|           |                   | 230-244 | Strobe 10: burst (fast → slow)                           |                        |
|           |                   | 245-255 | Shutter open                                             |                        |
| <b>4</b>  | Red               | 000-255 | 0 - 100%                                                 |                        |
| <b>5</b>  | Red Fine          | 000-255 | 0 - 100%                                                 |                        |
| <b>6</b>  | Green             | 000-255 | 0 - 100%                                                 |                        |
| <b>7</b>  | Green Fine        | 000-255 | 0 - 100%                                                 |                        |
| <b>8</b>  | Blue              | 000-255 | 0 - 100%                                                 |                        |
| <b>9</b>  | Blue Fine         | 000-255 | 0 - 100%                                                 |                        |
| <b>10</b> | CTC (affects RGB) | 000-004 | 5600 K                                                   | According to CTC chart |
|           |                   | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart) |                        |
|           |                   | 182-182 | 5600 K                                                   |                        |

# 07 DMX-KANALBELEGUNG

## 7.2 14CH BASIC RGB (Fortsetzung)

| CH | Funktion                           | Wert    | Einstellung                                                       | Bemerkung |
|----|------------------------------------|---------|-------------------------------------------------------------------|-----------|
| 10 | CTC (affects RGB)<br>(cont.)       | 226-226 | 6500 K                                                            |           |
|    |                                    | 227-255 | 6621 K - 10000 K,<br>linear in 120-121 K<br>steps (see CTC chart) |           |
| 11 | Tint (affects CTC and<br>RGB)      | 000-127 | Magenta → Neutral                                                 |           |
|    |                                    | 128-128 | Neutral                                                           |           |
|    |                                    | 129-255 | Neutral → Green                                                   |           |
| 12 | Color Macro (overrides<br>RGB/CTC) | 000-255 | See colour macro chart                                            |           |
| 13 | Color Macro Crossfade              | 000-005 | No function                                                       |           |
|    |                                    | 006-105 | 0.1 s - 10 s (0.1 s<br>steps)                                     |           |
|    |                                    | 106-214 | 11 s - 119 s (1 s steps)                                          |           |
|    |                                    | 215-244 | 2 m - 4 m 50 s (10 s<br>steps)                                    |           |
|    |                                    | 245-255 | 5 m - 15 m (1 m steps)                                            |           |
| 14 | Device Settings *1                 | 000-029 | No function                                                       |           |
|    |                                    | 030-034 | Display backlight on<br>(hold 3 s)                                |           |
|    |                                    | 035-039 | Display backlight off<br>(hold 3 s)                               |           |
|    |                                    | 040-044 | No function                                                       |           |
|    |                                    | 045-049 | DMX fail: blackout<br>(hold 3 s)                                  |           |
|    |                                    | 050-054 | DMX fail: hold (hold 3<br>s)                                      |           |
|    |                                    | 055-059 | DMX fail: emergency<br>light (hold 3 s)                           |           |
|    |                                    | 060-064 | No function                                                       |           |
|    |                                    | 065-069 | Linear dimmer curve<br>(hold 1.5 s)                               |           |
|    |                                    | 070-074 | Exponential dimmer<br>curve (hold 1.5 s)                          |           |

# 07 DMX-KANALBELEGUNG

## 7.2 14CH BASIC RGB (Fortsetzung)

| CH | Funktion                      | Wert    | Einstellung                                              | Bemerkung |
|----|-------------------------------|---------|----------------------------------------------------------|-----------|
| 14 | Device Settings *1<br>(cont.) | 075-079 | Logarithmic dimmer<br>curve (hold 1.5 s)                 |           |
|    |                               | 080-084 | S-curve dimmer curve<br>(hold 1.5 s)                     |           |
|    |                               | 085-089 | No function                                              |           |
|    |                               | 090-094 | LED (fast) dimmer<br>response (hold 1.5 s)               |           |
|    |                               | 095-099 | Medium dimmer<br>response (hold 1.5 s)                   |           |
|    |                               | 100-104 | Halogen (slow)<br>dimmer response (hold<br>1.5 s)        |           |
|    |                               | 105-109 | No function                                              |           |
|    |                               | 110-114 | Redshift on (hold 1.5 s,<br>affects only 2700-3500<br>K) |           |
|    |                               | 115-119 | Redshift off (hold 1.5<br>s)                             |           |
|    |                               | 120-124 | No function                                              |           |
|    |                               | 125-129 | Full calibration<br>(colours & CCT, hold 3<br>s)         |           |
|    |                               | 130-134 | CCT calibration (RAW<br>colours, hold 3 s)               |           |
|    |                               | 135-139 | No function                                              |           |
|    |                               | 140-144 | LED frequency 800 Hz<br>(hold 3 s)                       |           |
|    |                               | 145-149 | LED frequency 1200 Hz<br>(hold 3 s)                      |           |
|    |                               | 150-154 | LED frequency 2000 Hz<br>(hold 3 s)                      |           |
|    |                               | 155-159 | LED frequency 3600 Hz<br>(hold 3 s)                      |           |
|    |                               | 160-164 | LED frequency 12 kHz<br>(hold 3 s)                       |           |
|    |                               | 165-169 | LED frequency 25 kHz<br>(hold 3 s)                       |           |
|    |                               | 170-174 | No function                                              |           |



# 07 DMX-KANALBELEGUNG

## 7.2 13CH STANDARD RGB

| CH        | Funktion                      | Wert    | Einstellung                            | Bemerkung                                                                                 |
|-----------|-------------------------------|---------|----------------------------------------|-------------------------------------------------------------------------------------------|
| <b>14</b> | Device Settings *1<br>(cont.) | 175-179 | Fan auto (hold 3 s)                    |                                                                                           |
|           |                               | 180-184 | Fan silent (hold 3 s)                  |                                                                                           |
|           |                               | 185-189 | Fan off (hold 3 s)                     |                                                                                           |
|           |                               | 190-194 | Fan high power (hold 3 s)              |                                                                                           |
|           |                               | 195-199 | No function                            |                                                                                           |
|           |                               | 200-214 | Invert mapping off<br>(hold 3 s)       |                                                                                           |
|           |                               | 215-219 | Invert mapping on<br>(hold 3 s)        |                                                                                           |
|           |                               | 220-224 | No function                            |                                                                                           |
|           |                               | 225-229 | LED mode: illumination<br>(hold 1.5 s) |                                                                                           |
|           |                               | 230-234 | LED mode: boost (hold<br>1.5 s)        |                                                                                           |
|           |                               | 235-239 | No function                            |                                                                                           |
|           |                               | 240-244 | Factory reset (hold 3 s)               | Reset only starts if the<br>shutter channel is set<br>to DMX 250                          |
|           |                               | 245-249 | User reset (hold 3 s)                  | Reset only starts if the<br>shutter channel is set<br>to DMX 250, no self-<br>test by DMX |
|           |                               | 250-255 | No function                            |                                                                                           |

## 13CH STANDARD RGB

| CH       | Funktion      | Wert    | Einstellung            | Bemerkung |
|----------|---------------|---------|------------------------|-----------|
| <b>1</b> | Master Dimmer | 000-255 | 0 - 100%               |           |
| <b>2</b> | Shutter       | 000-019 | Shutter closed         |           |
|          |               | 020-024 | Shutter open           |           |
|          |               | 025-064 | Strobe 1 (fast → slow) |           |
|          |               | 065-069 | Shutter open           |           |

# 07 DMX-KANALBELEGUNG

## 7.2 13CH STANDARD RGB (Fortsetzung)

| CH | Funktion        | Wert    | Einstellung                                  | Bemerkung |
|----|-----------------|---------|----------------------------------------------|-----------|
| 2  | Shutter (cont.) | 070-084 | Strobe 2: opening pulse (fast → slow)        |           |
|    |                 | 085-089 | Shutter open                                 |           |
|    |                 | 090-104 | Strobe 3: closing pulse (fast → slow)        |           |
|    |                 | 105-109 | Shutter open                                 |           |
|    |                 | 110-124 | Strobe 4: random strobe (fast → slow)        |           |
|    |                 | 125-129 | Shutter open                                 |           |
|    |                 | 130-144 | Strobe 5: random opening pulse (fast → slow) |           |
|    |                 | 145-149 | Shutter open                                 |           |
|    |                 | 150-164 | Strobe 6: random closing pulse (fast → slow) |           |
|    |                 | 165-169 | Shutter open                                 |           |
|    |                 | 170-184 | Strobe 7: burst pulse (fast → slow)          |           |
|    |                 | 185-189 | Shutter open                                 |           |
|    |                 | 190-204 | Strobe 8: random burst pulse (fast → slow)   |           |
|    |                 | 205-209 | Shutter open                                 |           |
|    |                 | 210-224 | Strobe 9: sine wave (fast → slow)            |           |
|    |                 | 225-229 | Shutter open                                 |           |
|    |                 | 230-244 | Strobe 10: burst (fast → slow)               |           |
|    |                 | 245-255 | Shutter open                                 |           |
| 3  | Dimmer 1        | 000-255 | 0 - 100%                                     |           |
| 4  | Red 1           | 000-255 | 0 - 100%                                     |           |
| 5  | Green 1         | 000-255 | 0 - 100%                                     |           |

# 07 DMX-KANALBELEGUNG

## 7.2 13CH STANDARD RGB (Fortsetzung)

| CH        | Funktion                       | Wert    | Einstellung                                                 | Bemerkung              |
|-----------|--------------------------------|---------|-------------------------------------------------------------|------------------------|
| <b>6</b>  | Blue 1                         | 000-255 | 0 - 100%                                                    |                        |
| <b>7</b>  | Dimmer 2                       | 000-255 | 0 - 100%                                                    |                        |
| <b>8</b>  | Red 2                          | 000-255 | 0 - 100%                                                    |                        |
| <b>9</b>  | Green 2                        | 000-255 | 0 - 100%                                                    |                        |
| <b>10</b> | Blue 2                         | 000-255 | 0 - 100%                                                    |                        |
| <b>11</b> | CTC (affects RGB 1+2)          | 000-004 | 5600 K                                                      | According to CTC chart |
|           |                                | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|           |                                | 182-182 | 5600 K                                                      |                        |
|           |                                | 226-226 | 6500 K                                                      |                        |
|           |                                | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |
| <b>12</b> | Tint (affects CTC and RGB 1+2) | 000-127 | Magenta → Neutral                                           |                        |
|           |                                | 128-128 | Neutral                                                     |                        |
|           |                                | 129-255 | Neutral → Green                                             |                        |
| <b>13</b> | Device Settings *1             | 000-029 | No function                                                 |                        |
|           |                                | 030-034 | Display backlight on (hold 3 s)                             |                        |
|           |                                | 035-039 | Display backlight off (hold 3 s)                            |                        |
|           |                                | 040-044 | No function                                                 |                        |
|           |                                | 045-049 | DMX fail: blackout (hold 3 s)                               |                        |
|           |                                | 050-054 | DMX fail: hold (hold 3 s)                                   |                        |
|           |                                | 055-059 | DMX fail: emergency light (hold 3 s)                        |                        |
|           |                                | 060-064 | No function                                                 |                        |

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## 7.2 13CH STANDARD RGB (Fortsetzung)

| CH | Funktion                      | Wert    | Einstellung                                              | Bemerkung |
|----|-------------------------------|---------|----------------------------------------------------------|-----------|
| 13 | Device Settings *1<br>(cont.) | 065-069 | Linear dimmer curve<br>(hold 1.5 s)                      |           |
|    |                               | 070-074 | Exponential dimmer<br>curve (hold 1.5 s)                 |           |
|    |                               | 075-079 | Logarithmic dimmer<br>curve (hold 1.5 s)                 |           |
|    |                               | 080-084 | S-curve dimmer curve<br>(hold 1.5 s)                     |           |
|    |                               | 085-089 | No function                                              |           |
|    |                               | 090-094 | LED (fast) dimmer<br>response (hold 1.5 s)               |           |
|    |                               | 095-099 | Medium dimmer<br>response (hold 1.5 s)                   |           |
|    |                               | 100-104 | Halogen (slow)<br>dimmer response (hold<br>1.5 s)        |           |
|    |                               | 105-109 | No function                                              |           |
|    |                               | 110-114 | Redshift on (hold 1.5 s,<br>affects only 2700-3500<br>K) |           |
|    |                               | 115-119 | Redshift off (hold 1.5<br>s)                             |           |
|    |                               | 120-124 | No function                                              |           |
|    |                               | 125-129 | Full calibration<br>(colours & CCT, hold 3<br>s)         |           |
|    |                               | 130-134 | CCT calibration (RAW<br>colours, hold 3 s)               |           |
|    |                               | 135-139 | No function                                              |           |
|    |                               | 140-144 | LED frequency 800 Hz<br>(hold 3 s)                       |           |
|    |                               | 145-149 | LED frequency 1200 Hz<br>(hold 3 s)                      |           |
|    |                               | 150-154 | LED frequency 2000 Hz<br>(hold 3 s)                      |           |
|    |                               | 155-159 | LED frequency 3600 Hz<br>(hold 3 s)                      |           |
|    |                               | 160-164 | LED frequency 12 kHz<br>(hold 3 s)                       |           |

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## 7.2 22CH STANDARD RGB

| CH        | Funktion                   | Wert    | Einstellung                         | Bemerkung                                                                       |
|-----------|----------------------------|---------|-------------------------------------|---------------------------------------------------------------------------------|
| <b>13</b> | Device Settings *1 (cont.) | 165-169 | LED frequency 25 kHz (hold 3 s)     |                                                                                 |
|           |                            | 170-174 | No function                         |                                                                                 |
|           |                            | 175-179 | Fan auto (hold 3 s)                 |                                                                                 |
|           |                            | 180-184 | Fan silent (hold 3 s)               |                                                                                 |
|           |                            | 185-189 | Fan off (hold 3 s)                  |                                                                                 |
|           |                            | 190-194 | Fan high power (hold 3 s)           |                                                                                 |
|           |                            | 195-199 | No function                         |                                                                                 |
|           |                            | 200-214 | Invert mapping off (hold 3 s)       |                                                                                 |
|           |                            | 215-219 | Invert mapping on (hold 3 s)        |                                                                                 |
|           |                            | 220-224 | No function                         |                                                                                 |
|           |                            | 225-229 | LED mode: illumination (hold 1.5 s) |                                                                                 |
|           |                            | 230-234 | LED mode: boost (hold 1.5 s)        |                                                                                 |
|           |                            | 235-239 | No function                         |                                                                                 |
|           |                            | 240-244 | Factory reset (hold 3 s)            | Reset only starts if the shutter channel is set to DMX 250                      |
|           |                            | 245-249 | User reset (hold 3 s)               | Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX |
|           |                            | 250-255 | No function                         |                                                                                 |

## 22CH STANDARD RGB

| CH       | Funktion           | Wert    | Einstellung    | Bemerkung |
|----------|--------------------|---------|----------------|-----------|
| <b>1</b> | Master Dimmer      | 000-255 | 0 - 100%       |           |
| <b>2</b> | Master Dimmer Fine | 000-255 | 0 - 100%       |           |
| <b>3</b> | Shutter            | 000-019 | Shutter closed |           |

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## 7.2 22CH STANDARD RGB (Fortsetzung)

| CH       | Funktion        | Wert    | Einstellung                                  | Bemerkung |
|----------|-----------------|---------|----------------------------------------------|-----------|
| <b>3</b> | Shutter (cont.) | 020-024 | Shutter open                                 |           |
|          |                 | 025-064 | Strobe 1 (fast → slow)                       |           |
|          |                 | 065-069 | Shutter open                                 |           |
|          |                 | 070-084 | Strobe 2: opening pulse (fast → slow)        |           |
|          |                 | 085-089 | Shutter open                                 |           |
|          |                 | 090-104 | Strobe 3: closing pulse (fast → slow)        |           |
|          |                 | 105-109 | Shutter open                                 |           |
|          |                 | 110-124 | Strobe 4: random strobe (fast → slow)        |           |
|          |                 | 125-129 | Shutter open                                 |           |
|          |                 | 130-144 | Strobe 5: random opening pulse (fast → slow) |           |
|          |                 | 145-149 | Shutter open                                 |           |
|          |                 | 150-164 | Strobe 6: random closing pulse (fast → slow) |           |
|          |                 | 165-169 | Shutter open                                 |           |
|          |                 | 170-184 | Strobe 7: burst pulse (fast → slow)          |           |
|          |                 | 185-189 | Shutter open                                 |           |
|          |                 | 190-204 | Strobe 8: random burst pulse (fast → slow)   |           |
|          |                 | 205-209 | Shutter open                                 |           |
|          |                 | 210-224 | Strobe 9: sine wave (fast → slow)            |           |
|          |                 | 225-229 | Shutter open                                 |           |
|          |                 | 230-244 | Strobe 10: burst (fast → slow)               |           |
|          |                 | 245-255 | Shutter open                                 |           |

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## 7.2 22CH STANDARD RGB (Fortsetzung)

| CH | Funktion              | Wert    | Einstellung                                                 | Bemerkung              |
|----|-----------------------|---------|-------------------------------------------------------------|------------------------|
| 4  | Dimmer 1              | 000-255 | 0 - 100%                                                    |                        |
| 5  | Dimmer 1 Fine         | 000-255 | 0 - 100%                                                    |                        |
| 6  | Red 1                 | 000-255 | 0 - 100%                                                    |                        |
| 7  | Red 1 Fine            | 000-255 | 0 - 100%                                                    |                        |
| 8  | Green 1               | 000-255 | 0 - 100%                                                    |                        |
| 9  | Green 1 Fine          | 000-255 | 0 - 100%                                                    |                        |
| 10 | Blue 1                | 000-255 | 0 - 100%                                                    |                        |
| 11 | Blue 1 Fine           | 000-255 | 0 - 100%                                                    |                        |
| 12 | Dimmer 2              | 000-255 | 0 - 100%                                                    |                        |
| 13 | Dimmer 2 Fine         | 000-255 | 0 - 100%                                                    |                        |
| 14 | Red 2                 | 000-255 | 0 - 100%                                                    |                        |
| 15 | Red 2 Fine            | 000-255 | 0 - 100%                                                    |                        |
| 16 | Green 2               | 000-255 | 0 - 100%                                                    |                        |
| 17 | Green 2 Fine          | 000-255 | 0 - 100%                                                    |                        |
| 18 | Blue 2                | 000-255 | 0 - 100%                                                    |                        |
| 19 | Blue 2 Fine           | 000-255 | 0 - 100%                                                    |                        |
| 20 | CTC (affects RGB 1+2) | 000-004 | 5600 K                                                      | According to CTC chart |
|    |                       | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|    |                       | 182-182 | 5600 K                                                      |                        |
|    |                       | 226-226 | 6500 K                                                      |                        |
|    |                       | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |

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## 7.2 22CH STANDARD RGB (Fortsetzung)

| CH | Funktion                       | Wert    | Einstellung                                        | Bemerkung |
|----|--------------------------------|---------|----------------------------------------------------|-----------|
| 21 | Tint (affects CTC and RGB 1+2) | 000-127 | Magenta → Neutral                                  |           |
|    |                                | 128-128 | Neutral                                            |           |
|    |                                | 129-255 | Neutral → Green                                    |           |
| 22 | Device Settings *1             | 000-029 | No function                                        |           |
|    |                                | 030-034 | Display backlight on (hold 3 s)                    |           |
|    |                                | 035-039 | Display backlight off (hold 3 s)                   |           |
|    |                                | 040-044 | No function                                        |           |
|    |                                | 045-049 | DMX fail: blackout (hold 3 s)                      |           |
|    |                                | 050-054 | DMX fail: hold (hold 3 s)                          |           |
|    |                                | 055-059 | DMX fail: emergency light (hold 3 s)               |           |
|    |                                | 060-064 | No function                                        |           |
|    |                                | 065-069 | Linear dimmer curve (hold 1.5 s)                   |           |
|    |                                | 070-074 | Exponential dimmer curve (hold 1.5 s)              |           |
|    |                                | 075-079 | Logarithmic dimmer curve (hold 1.5 s)              |           |
|    |                                | 080-084 | S-curve dimmer curve (hold 1.5 s)                  |           |
|    |                                | 085-089 | No function                                        |           |
|    |                                | 090-094 | LED (fast) dimmer response (hold 1.5 s)            |           |
|    |                                | 095-099 | Medium dimmer response (hold 1.5 s)                |           |
|    |                                | 100-104 | Halogen (slow) dimmer response (hold 1.5 s)        |           |
|    |                                | 105-109 | No function                                        |           |
|    |                                | 110-114 | Redshift on (hold 1.5 s, affects only 2700-3500 K) |           |



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## 7.2 22CH STANDARD RGB (Fortsetzung)

| CH | Funktion                      | Wert    | Einstellung                                   | Bemerkung |
|----|-------------------------------|---------|-----------------------------------------------|-----------|
| 22 | Device Settings *1<br>(cont.) | 115-119 | Redshift off (hold 1.5 s)                     |           |
|    |                               | 120-124 | No function                                   |           |
|    |                               | 125-129 | Full calibration<br>(colours & CCT, hold 3 s) |           |
|    |                               | 130-134 | CCT calibration (RAW<br>colours, hold 3 s)    |           |
|    |                               | 135-139 | No function                                   |           |
|    |                               | 140-144 | LED frequency 800 Hz<br>(hold 3 s)            |           |
|    |                               | 145-149 | LED frequency 1200 Hz<br>(hold 3 s)           |           |
|    |                               | 150-154 | LED frequency 2000 Hz<br>(hold 3 s)           |           |
|    |                               | 155-159 | LED frequency 3600 Hz<br>(hold 3 s)           |           |
|    |                               | 160-164 | LED frequency 12 kHz<br>(hold 3 s)            |           |
|    |                               | 165-169 | LED frequency 25 kHz<br>(hold 3 s)            |           |
|    |                               | 170-174 | No function                                   |           |
|    |                               | 175-179 | Fan auto (hold 3 s)                           |           |
|    |                               | 180-184 | Fan silent (hold 3 s)                         |           |
|    |                               | 185-189 | Fan off (hold 3 s)                            |           |
|    |                               | 190-194 | Fan high power (hold 3 s)                     |           |
|    |                               | 195-199 | No function                                   |           |
|    |                               | 200-214 | Invert mapping off<br>(hold 3 s)              |           |
|    |                               | 215-219 | Invert mapping on<br>(hold 3 s)               |           |
|    |                               | 220-224 | No function                                   |           |
|    |                               | 225-229 | LED mode: illumination<br>(hold 1.5 s)        |           |
|    |                               | 230-234 | LED mode: boost (hold<br>1.5 s)               |           |

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## 7.2 24CH EXTENDED RGB

| CH | Funktion                      | Wert    | Einstellung              | Bemerkung                                                                       |
|----|-------------------------------|---------|--------------------------|---------------------------------------------------------------------------------|
| 22 | Device Settings *1<br>(cont.) | 235-239 | No function              |                                                                                 |
|    |                               | 240-244 | Factory reset (hold 3 s) | Reset only starts if the shutter channel is set to DMX 250                      |
|    |                               | 245-249 | User reset (hold 3 s)    | Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX |
|    |                               | 250-255 | No function              |                                                                                 |

## 24CH EXTENDED RGB

| CH | Funktion      | Wert    | Einstellung                                  | Bemerkung |
|----|---------------|---------|----------------------------------------------|-----------|
| 1  | Master Dimmer | 000-255 | 0 - 100%                                     |           |
| 2  | Shutter       | 000-019 | Shutter closed                               |           |
|    |               | 020-024 | Shutter open                                 |           |
|    |               | 025-064 | Strobe 1 (fast → slow)                       |           |
|    |               | 065-069 | Shutter open                                 |           |
|    |               | 070-084 | Strobe 2: opening pulse (fast → slow)        |           |
|    |               | 085-089 | Shutter open                                 |           |
|    |               | 090-104 | Strobe 3: closing pulse (fast → slow)        |           |
|    |               | 105-109 | Shutter open                                 |           |
|    |               | 110-124 | Strobe 4: random strobe (fast → slow)        |           |
|    |               | 125-129 | Shutter open                                 |           |
|    |               | 130-144 | Strobe 5: random opening pulse (fast → slow) |           |
|    |               | 145-149 | Shutter open                                 |           |
|    |               | 150-164 | Strobe 6: random closing pulse (fast → slow) |           |

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## 7.2 24CH EXTENDED RGB (Fortsetzung)

| CH       | Funktion                         | Wert    | Einstellung                                                 | Bemerkung                               |
|----------|----------------------------------|---------|-------------------------------------------------------------|-----------------------------------------|
| <b>2</b> | Shutter (cont.)                  | 165-169 | Shutter open                                                |                                         |
|          |                                  | 170-184 | Strobe 7: burst pulse (fast → slow)                         |                                         |
|          |                                  | 185-189 | Shutter open                                                |                                         |
|          |                                  | 190-204 | Strobe 8: random burst pulse (fast → slow)                  |                                         |
|          |                                  | 205-209 | Shutter open                                                |                                         |
|          |                                  | 210-224 | Strobe 9: sine wave (fast → slow)                           |                                         |
|          |                                  | 225-229 | Shutter open                                                |                                         |
|          |                                  | 230-244 | Strobe 10: burst (fast → slow)                              |                                         |
|          |                                  | 245-255 | Shutter open                                                |                                         |
| <b>3</b> | Duration                         | 000-255 | 0 - 100% (0 ms - 510 ms)                                    | Only affects Strobe 1 (Shutter 025-064) |
| <b>4</b> | Dimmer 1                         | 000-255 | 0 - 100%                                                    |                                         |
| <b>5</b> | Red 1                            | 000-255 | 0 - 100%                                                    |                                         |
| <b>6</b> | Green 1                          | 000-255 | 0 - 100%                                                    |                                         |
| <b>7</b> | Blue 1                           | 000-255 | 0 - 100%                                                    |                                         |
| <b>8</b> | CTC 1 (affects RGB 1)            | 000-004 | 5600 K                                                      | According to CTC chart                  |
|          |                                  | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                                         |
|          |                                  | 182-182 | 5600 K                                                      |                                         |
|          |                                  | 226-226 | 6500 K                                                      |                                         |
|          |                                  | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                                         |
| <b>9</b> | Tint 1 (affects CTC 1 and RGB 1) | 000-127 | Magenta → Neutral                                           |                                         |

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## 7.2 24CH EXTENDED RGB (Fortsetzung)

| CH        | Funktion                                 | Wert    | Einstellung                                                 | Bemerkung              |
|-----------|------------------------------------------|---------|-------------------------------------------------------------|------------------------|
| <b>9</b>  | Tint 1 (affects CTC 1 and RGB 1) (cont.) | 128-128 | Neutral                                                     |                        |
|           |                                          | 129-255 | Neutral → Green                                             |                        |
| <b>10</b> | Color Macro 1 (overrides RGB 1/CTC 1)    | 000-255 | See colour macro chart                                      |                        |
| <b>11</b> | Color Macro Crossfade 1                  | 000-005 | No function                                                 |                        |
|           |                                          | 006-105 | 0.1 s - 10 s (0.1 s steps)                                  |                        |
|           |                                          | 106-214 | 11 s - 119 s (1 s steps)                                    |                        |
|           |                                          | 215-244 | 2 m - 4 m 50 s (10 s steps)                                 |                        |
|           |                                          | 245-255 | 5 m - 15 m (1 m steps)                                      |                        |
| <b>12</b> | Dimmer 2                                 | 000-255 | 0 - 100%                                                    |                        |
| <b>13</b> | Red 2                                    | 000-255 | 0 - 100%                                                    |                        |
| <b>14</b> | Green 2                                  | 000-255 | 0 - 100%                                                    |                        |
| <b>15</b> | Blue 2                                   | 000-255 | 0 - 100%                                                    |                        |
| <b>16</b> | CTC 2 (affects RGB 2)                    | 000-004 | 5600 K                                                      | According to CTC chart |
|           |                                          | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|           |                                          | 182-182 | 5600 K                                                      |                        |
|           |                                          | 226-226 | 6500 K                                                      |                        |
|           |                                          | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |
| <b>17</b> | Tint 2 (affects CTC 2 and RGB 2)         | 000-127 | Magenta → Neutral                                           |                        |
|           |                                          | 128-128 | Neutral                                                     |                        |
|           |                                          | 129-255 | Neutral → Green                                             |                        |

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## 7.2 24CH EXTENDED RGB (Fortsetzung)

| CH        | Funktion                                     | Wert    | Einstellung                                     | Bemerkung |
|-----------|----------------------------------------------|---------|-------------------------------------------------|-----------|
| <b>18</b> | Color Macro 2<br>(overrides RGB 2/CTC 2)     | 000-255 | See colour macro chart                          |           |
| <b>19</b> | Color Macro Crossfade 2                      | 000-005 | No function                                     |           |
|           |                                              | 006-105 | 0.1 s - 10 s (0.1 s steps)                      |           |
|           |                                              | 106-214 | 11 s - 119 s (1 s steps)                        |           |
|           |                                              | 215-244 | 2 m - 4 m 50 s (10 s steps)                     |           |
|           |                                              | 245-255 | 5 m - 15 m (1 m steps)                          |           |
| <b>20</b> | Effect (overrides RGB, CTC, Color Macro 1+2) | 000-015 | No function                                     |           |
|           |                                              | 016-039 | Effect 1 (slow to fast)                         |           |
|           |                                              | 040-063 | Effect 2 (slow to fast)                         |           |
|           |                                              | 064-087 | Effect 3 (slow to fast)                         |           |
|           |                                              | 088-111 | Effect 4 (slow to fast)                         |           |
|           |                                              | 112-135 | Effect 5 (slow to fast)                         |           |
|           |                                              | 136-159 | Effect 6 (slow to fast)                         |           |
|           |                                              | 160-183 | Effect 7 (slow to fast)                         |           |
|           |                                              | 184-207 | Effect 8 (slow to fast)                         |           |
|           |                                              | 208-231 | Effect 9 (slow to fast)                         |           |
|           |                                              | 232-255 | Effect 10 (slow to fast)                        |           |
| <b>21</b> | Dimmer Curve                                 | 000-051 | No function - current preset from menu settings |           |
|           |                                              | 052-101 | Linear dimmer curve                             |           |
|           |                                              | 102-152 | Exponential dimmer curve                        |           |

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## 7.2 24CH EXTENDED RGB (Fortsetzung)

| CH | Funktion             | Wert    | Einstellung                                     | Bemerkung                             |
|----|----------------------|---------|-------------------------------------------------|---------------------------------------|
| 21 | Dimmer Curve (cont.) | 153-203 | Logarithmic dimmer curve                        |                                       |
|    |                      | 204-255 | S-curve dimmer curve                            |                                       |
| 22 | Dimmer Response      | 000-063 | No function - current preset from menu settings |                                       |
|    |                      | 064-127 | LED / fast                                      |                                       |
|    |                      | 128-191 | Medium                                          |                                       |
|    |                      | 192-255 | Halogen / slow                                  |                                       |
| 23 | Redshift             | 000-084 | No function - current preset from menu settings | Redshift affects only CCT 2700-3500 K |
|    |                      | 085-170 | Redshift off                                    |                                       |
|    |                      | 171-255 | Redshift on                                     |                                       |
| 24 | Device Settings *1   | 000-029 | No function                                     |                                       |
|    |                      | 030-034 | Display backlight on (hold 3 s)                 |                                       |
|    |                      | 035-039 | Display backlight off (hold 3 s)                |                                       |
|    |                      | 040-044 | No function                                     |                                       |
|    |                      | 045-049 | DMX fail: blackout (hold 3 s)                   |                                       |
|    |                      | 050-054 | DMX fail: hold (hold 3 s)                       |                                       |
|    |                      | 055-059 | DMX fail: emergency light (hold 3 s)            |                                       |
|    |                      | 060-064 | No function                                     |                                       |
|    |                      | 065-069 | Linear dimmer curve (hold 1.5 s)                |                                       |
|    |                      | 070-074 | Exponential dimmer curve (hold 1.5 s)           |                                       |
|    |                      | 075-079 | Logarithmic dimmer curve (hold 1.5 s)           |                                       |
|    |                      | 080-084 | S-curve dimmer curve (hold 1.5 s)               |                                       |
|    |                      | 085-089 | No function                                     |                                       |

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## 7.2 24CH EXTENDED RGB (Fortsetzung)

| CH | Funktion                      | Wert    | Einstellung                                              | Bemerkung |
|----|-------------------------------|---------|----------------------------------------------------------|-----------|
| 24 | Device Settings *1<br>(cont.) | 090-094 | LED (fast) dimmer<br>response (hold 1.5 s)               |           |
|    |                               | 095-099 | Medium dimmer<br>response (hold 1.5 s)                   |           |
|    |                               | 100-104 | Halogen (slow)<br>dimmer response (hold<br>1.5 s)        |           |
|    |                               | 105-109 | No function                                              |           |
|    |                               | 110-114 | Redshift on (hold 1.5 s,<br>affects only 2700-3500<br>K) |           |
|    |                               | 115-119 | Redshift off (hold 1.5<br>s)                             |           |
|    |                               | 120-124 | No function                                              |           |
|    |                               | 125-129 | Full calibration<br>(colours & CCT, hold 3<br>s)         |           |
|    |                               | 130-134 | CCT calibration (RAW<br>colours, hold 3 s)               |           |
|    |                               | 135-139 | No function                                              |           |
|    |                               | 140-144 | LED frequency 800 Hz<br>(hold 3 s)                       |           |
|    |                               | 145-149 | LED frequency 1200 Hz<br>(hold 3 s)                      |           |
|    |                               | 150-154 | LED frequency 2000 Hz<br>(hold 3 s)                      |           |
|    |                               | 155-159 | LED frequency 3600 Hz<br>(hold 3 s)                      |           |
|    |                               | 160-164 | LED frequency 12 kHz<br>(hold 3 s)                       |           |
|    |                               | 165-169 | LED frequency 25 kHz<br>(hold 3 s)                       |           |
|    |                               | 170-174 | No function                                              |           |
|    |                               | 175-179 | Fan auto (hold 3 s)                                      |           |
|    |                               | 180-184 | Fan silent (hold 3 s)                                    |           |
|    |                               | 185-189 | Fan off (hold 3 s)                                       |           |

# 07 DMX-KANALBELEGUNG

## 7.2 33CH EXTENDED RGB

| CH        | Funktion                   | Wert    | Einstellung                         | Bemerkung                                                                       |
|-----------|----------------------------|---------|-------------------------------------|---------------------------------------------------------------------------------|
| <b>24</b> | Device Settings *1 (cont.) | 190-194 | Fan high power (hold 3 s)           |                                                                                 |
|           |                            | 195-199 | No function                         |                                                                                 |
|           |                            | 200-214 | Invert mapping off (hold 3 s)       |                                                                                 |
|           |                            | 215-219 | Invert mapping on (hold 3 s)        |                                                                                 |
|           |                            | 220-224 | No function                         |                                                                                 |
|           |                            | 225-229 | LED mode: illumination (hold 1.5 s) |                                                                                 |
|           |                            | 230-234 | LED mode: boost (hold 1.5 s)        |                                                                                 |
|           |                            | 235-239 | No function                         |                                                                                 |
|           |                            | 240-244 | Factory reset (hold 3 s)            | Reset only starts if the shutter channel is set to DMX 250                      |
|           |                            | 245-249 | User reset (hold 3 s)               | Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX |
|           |                            | 250-255 | No function                         |                                                                                 |

## 33CH EXTENDED RGB

| CH       | Funktion           | Wert    | Einstellung                           | Bemerkung |
|----------|--------------------|---------|---------------------------------------|-----------|
| <b>1</b> | Master Dimmer      | 000-255 | 0 - 100%                              |           |
| <b>2</b> | Master Dimmer Fine | 000-255 | 0 - 100%                              |           |
| <b>3</b> | Shutter            | 000-019 | Shutter closed                        |           |
|          |                    | 020-024 | Shutter open                          |           |
|          |                    | 025-064 | Strobe 1 (fast → slow)                |           |
|          |                    | 065-069 | Shutter open                          |           |
|          |                    | 070-084 | Strobe 2: opening pulse (fast → slow) |           |
|          |                    | 085-089 | Shutter open                          |           |



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## 7.2 33CH EXTENDED RGB (Fortsetzung)

| CH | Funktion        | Wert    | Einstellung                                  | Bemerkung                               |
|----|-----------------|---------|----------------------------------------------|-----------------------------------------|
| 3  | Shutter (cont.) | 090-104 | Strobe 3: closing pulse (fast → slow)        |                                         |
|    |                 | 105-109 | Shutter open                                 |                                         |
|    |                 | 110-124 | Strobe 4: random strobe (fast → slow)        |                                         |
|    |                 | 125-129 | Shutter open                                 |                                         |
|    |                 | 130-144 | Strobe 5: random opening pulse (fast → slow) |                                         |
|    |                 | 145-149 | Shutter open                                 |                                         |
|    |                 | 150-164 | Strobe 6: random closing pulse (fast → slow) |                                         |
|    |                 | 165-169 | Shutter open                                 |                                         |
|    |                 | 170-184 | Strobe 7: burst pulse (fast → slow)          |                                         |
|    |                 | 185-189 | Shutter open                                 |                                         |
|    |                 | 190-204 | Strobe 8: random burst pulse (fast → slow)   |                                         |
|    |                 | 205-209 | Shutter open                                 |                                         |
|    |                 | 210-224 | Strobe 9: sine wave (fast → slow)            |                                         |
|    |                 | 225-229 | Shutter open                                 |                                         |
|    |                 | 230-244 | Strobe 10: burst (fast → slow)               |                                         |
|    |                 | 245-255 | Shutter open                                 |                                         |
| 4  | Duration        | 000-255 | 0 - 100% (0 ms - 510 ms)                     | Only affects Strobe 1 (Shutter 025-064) |
| 5  | Dimmer 1        | 000-255 | 0 - 100%                                     |                                         |
| 6  | Dimmer 1 Fine   | 000-255 | 0 - 100%                                     |                                         |
| 7  | Red 1           | 000-255 | 0 - 100%                                     |                                         |
| 8  | Red 1 Fine      | 000-255 | 0 - 100%                                     |                                         |

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## 7.2 33CH EXTENDED RGB (Fortsetzung)

| CH        | Funktion                              | Wert    | Einstellung                                                 | Bemerkung              |
|-----------|---------------------------------------|---------|-------------------------------------------------------------|------------------------|
| <b>9</b>  | Green 1                               | 000-255 | 0 - 100%                                                    |                        |
| <b>10</b> | Green 1 Fine                          | 000-255 | 0 - 100%                                                    |                        |
| <b>11</b> | Blue 1                                | 000-255 | 0 - 100%                                                    |                        |
| <b>12</b> | Blue 1 Fine                           | 000-255 | 0 - 100%                                                    |                        |
| <b>13</b> | CTC 1 (affects RGB 1)                 | 000-004 | 5600 K                                                      | According to CTC chart |
|           |                                       | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|           |                                       | 182-182 | 5600 K                                                      |                        |
|           |                                       | 226-226 | 6500 K                                                      |                        |
|           |                                       | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |
| <b>14</b> | Tint 1 (affects CTC 1 and RGB 1)      | 000-127 | Magenta → Neutral                                           |                        |
|           |                                       | 128-128 | Neutral                                                     |                        |
|           |                                       | 129-255 | Neutral → Green                                             |                        |
| <b>15</b> | Color Macro 1 (overrides RGB 1/CTC 1) | 000-255 | See colour macro chart                                      |                        |
| <b>16</b> | Color Macro Crossfade 1               | 000-005 | No function                                                 |                        |
|           |                                       | 006-105 | 0.1 s - 10 s (0.1 s steps)                                  |                        |
|           |                                       | 106-214 | 11 s - 119 s (1 s steps)                                    |                        |
|           |                                       | 215-244 | 2 m - 4 m 50 s (10 s steps)                                 |                        |
|           |                                       | 245-255 | 5 m - 15 m (1 m steps)                                      |                        |
| <b>17</b> | Dimmer 2                              | 000-255 | 0 - 100%                                                    |                        |
| <b>18</b> | Dimmer 2 Fine                         | 000-255 | 0 - 100%                                                    |                        |

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## 7.2 33CH EXTENDED RGB (Fortsetzung)

| CH        | Funktion                              | Wert    | Einstellung                                                 | Bemerkung              |
|-----------|---------------------------------------|---------|-------------------------------------------------------------|------------------------|
| <b>19</b> | Red 2                                 | 000-255 | 0 - 100%                                                    |                        |
| <b>20</b> | Red 2 Fine                            | 000-255 | 0 - 100%                                                    |                        |
| <b>21</b> | Green 2                               | 000-255 | 0 - 100%                                                    |                        |
| <b>22</b> | Green 2 Fine                          | 000-255 | 0 - 100%                                                    |                        |
| <b>23</b> | Blue 2                                | 000-255 | 0 - 100%                                                    |                        |
| <b>24</b> | Blue 2 Fine                           | 000-255 | 0 - 100%                                                    |                        |
| <b>25</b> | CTC 2 (affects RGB 2)                 | 000-004 | 5600 K                                                      | According to CTC chart |
|           |                                       | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|           |                                       | 182-182 | 5600 K                                                      |                        |
|           |                                       | 226-226 | 6500 K                                                      |                        |
|           |                                       | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |
| <b>26</b> | Tint 2 (affects CTC 2 and RGB 2)      | 000-127 | Magenta → Neutral                                           |                        |
|           |                                       | 128-128 | Neutral                                                     |                        |
|           |                                       | 129-255 | Neutral → Green                                             |                        |
| <b>27</b> | Color Macro 2 (overrides RGB 2/CTC 2) | 000-255 | See colour macro chart                                      |                        |
| <b>28</b> | Color Macro Crossfade 2               | 000-005 | No function                                                 |                        |
|           |                                       | 006-105 | 0.1 s - 10 s (0.1 s steps)                                  |                        |
|           |                                       | 106-214 | 11 s - 119 s (1 s steps)                                    |                        |
|           |                                       | 215-244 | 2 m - 4 m 50 s (10 s steps)                                 |                        |
|           |                                       | 245-255 | 5 m - 15 m (1 m steps)                                      |                        |

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## 7.2 33CH EXTENDED RGB (Fortsetzung)

| CH        | Funktion                                     | Wert    | Einstellung                                     | Bemerkung |
|-----------|----------------------------------------------|---------|-------------------------------------------------|-----------|
| <b>29</b> | Effect (overrides RGB, CTC, Color Macro 1+2) | 000-015 | No function                                     |           |
|           |                                              | 016-039 | Effect 1 (slow to fast)                         |           |
|           |                                              | 040-063 | Effect 2 (slow to fast)                         |           |
|           |                                              | 064-087 | Effect 3 (slow to fast)                         |           |
|           |                                              | 088-111 | Effect 4 (slow to fast)                         |           |
|           |                                              | 112-135 | Effect 5 (slow to fast)                         |           |
|           |                                              | 136-159 | Effect 6 (slow to fast)                         |           |
|           |                                              | 160-183 | Effect 7 (slow to fast)                         |           |
|           |                                              | 184-207 | Effect 8 (slow to fast)                         |           |
|           |                                              | 208-231 | Effect 9 (slow to fast)                         |           |
|           |                                              | 232-255 | Effect 10 (slow to fast)                        |           |
| <b>30</b> | Dimmer Curve                                 | 000-051 | No function - current preset from menu settings |           |
|           |                                              | 052-101 | Linear dimmer curve                             |           |
|           |                                              | 102-152 | Exponential dimmer curve                        |           |
|           |                                              | 153-203 | Logarithmic dimmer curve                        |           |
|           |                                              | 204-255 | S-curve dimmer curve                            |           |
| <b>31</b> | Dimmer Response                              | 000-063 | No function - current preset from menu settings |           |
|           |                                              | 064-127 | LED / fast                                      |           |
|           |                                              | 128-191 | Medium                                          |           |
|           |                                              | 192-255 | Halogen / slow                                  |           |

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## 7.2 33CH EXTENDED RGB (Fortsetzung)

| CH | Funktion           | Wert    | Einstellung                                        | Bemerkung                             |
|----|--------------------|---------|----------------------------------------------------|---------------------------------------|
| 32 | Redshift           | 000-084 | No function - current preset from menu settings    | Redshift affects only CCT 2700-3500 K |
|    |                    | 085-170 | Redshift off                                       |                                       |
|    |                    | 171-255 | Redshift on                                        |                                       |
| 33 | Device Settings *1 | 000-029 | No function                                        |                                       |
|    |                    | 030-034 | Display backlight on (hold 3 s)                    |                                       |
|    |                    | 035-039 | Display backlight off (hold 3 s)                   |                                       |
|    |                    | 040-044 | No function                                        |                                       |
|    |                    | 045-049 | DMX fail: blackout (hold 3 s)                      |                                       |
|    |                    | 050-054 | DMX fail: hold (hold 3 s)                          |                                       |
|    |                    | 055-059 | DMX fail: emergency light (hold 3 s)               |                                       |
|    |                    | 060-064 | No function                                        |                                       |
|    |                    | 065-069 | Linear dimmer curve (hold 1.5 s)                   |                                       |
|    |                    | 070-074 | Exponential dimmer curve (hold 1.5 s)              |                                       |
|    |                    | 075-079 | Logarithmic dimmer curve (hold 1.5 s)              |                                       |
|    |                    | 080-084 | S-curve dimmer curve (hold 1.5 s)                  |                                       |
|    |                    | 085-089 | No function                                        |                                       |
|    |                    | 090-094 | LED (fast) dimmer response (hold 1.5 s)            |                                       |
|    |                    | 095-099 | Medium dimmer response (hold 1.5 s)                |                                       |
|    |                    | 100-104 | Halogen (slow) dimmer response (hold 1.5 s)        |                                       |
|    |                    | 105-109 | No function                                        |                                       |
|    |                    | 110-114 | Redshift on (hold 1.5 s, affects only 2700-3500 K) |                                       |

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## 7.2 33CH EXTENDED RGB (Fortsetzung)

| CH | Funktion                      | Wert    | Einstellung                                   | Bemerkung |
|----|-------------------------------|---------|-----------------------------------------------|-----------|
| 33 | Device Settings *1<br>(cont.) | 115-119 | Redshift off (hold 1.5 s)                     |           |
|    |                               | 120-124 | No function                                   |           |
|    |                               | 125-129 | Full calibration<br>(colours & CCT, hold 3 s) |           |
|    |                               | 130-134 | CCT calibration (RAW<br>colours, hold 3 s)    |           |
|    |                               | 135-139 | No function                                   |           |
|    |                               | 140-144 | LED frequency 800 Hz<br>(hold 3 s)            |           |
|    |                               | 145-149 | LED frequency 1200 Hz<br>(hold 3 s)           |           |
|    |                               | 150-154 | LED frequency 2000 Hz<br>(hold 3 s)           |           |
|    |                               | 155-159 | LED frequency 3600 Hz<br>(hold 3 s)           |           |
|    |                               | 160-164 | LED frequency 12 kHz<br>(hold 3 s)            |           |
|    |                               | 165-169 | LED frequency 25 kHz<br>(hold 3 s)            |           |
|    |                               | 170-174 | No function                                   |           |
|    |                               | 175-179 | Fan auto (hold 3 s)                           |           |
|    |                               | 180-184 | Fan silent (hold 3 s)                         |           |
|    |                               | 185-189 | Fan off (hold 3 s)                            |           |
|    |                               | 190-194 | Fan high power (hold 3 s)                     |           |
|    |                               | 195-199 | No function                                   |           |
|    |                               | 200-214 | Invert mapping off<br>(hold 3 s)              |           |
|    |                               | 215-219 | Invert mapping on<br>(hold 3 s)               |           |
|    |                               | 220-224 | No function                                   |           |
|    |                               | 225-229 | LED mode: illumination<br>(hold 1.5 s)        |           |
|    |                               | 230-234 | LED mode: boost (hold<br>1.5 s)               |           |

# 07 DMX-KANALBELEGUNG

## 7.2 10CH DIRECT / 12CH DIRECT

| CH | Funktion                      | Wert    | Einstellung              | Bemerkung                                                                       |
|----|-------------------------------|---------|--------------------------|---------------------------------------------------------------------------------|
| 33 | Device Settings *1<br>(cont.) | 235-239 | No function              |                                                                                 |
|    |                               | 240-244 | Factory reset (hold 3 s) | Reset only starts if the shutter channel is set to DMX 250                      |
|    |                               | 245-249 | User reset (hold 3 s)    | Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX |
|    |                               | 250-255 | No function              |                                                                                 |

### 10CH DIRECT

| CH | Funktion | Wert    | Einstellung | Bemerkung |
|----|----------|---------|-------------|-----------|
| 1  | Red 1    | 000-255 | 0 - 100%    |           |
| 2  | Green 1  | 000-255 | 0 - 100%    |           |
| 3  | Blue 1   | 000-255 | 0 - 100%    |           |
| 4  | Amber 1  | 000-255 | 0 - 100%    |           |
| 5  | White 1  | 000-255 | 0 - 100%    |           |
| 6  | Red 2    | 000-255 | 0 - 100%    |           |
| 7  | Green 2  | 000-255 | 0 - 100%    |           |
| 8  | Blue 2   | 000-255 | 0 - 100%    |           |
| 9  | Amber 2  | 000-255 | 0 - 100%    |           |
| 10 | White 2  | 000-255 | 0 - 100%    |           |

### 12CH DIRECT

| CH | Funktion      | Wert    | Einstellung    | Bemerkung |
|----|---------------|---------|----------------|-----------|
| 1  | Master Dimmer | 000-255 | 0 - 100%       |           |
| 2  | Shutter       | 000-019 | Shutter closed |           |
|    |               | 020-024 | Shutter open   |           |

# 07 DMX-KANALBELEGUNG

## 7.2 12CH DIRECT (Fortsetzung)

| CH | Funktion        | Wert    | Einstellung                                  | Bemerkung |
|----|-----------------|---------|----------------------------------------------|-----------|
| 2  | Shutter (cont.) | 025-064 | Strobe 1 (fast → slow)                       |           |
|    |                 | 065-069 | Shutter open                                 |           |
|    |                 | 070-084 | Strobe 2: opening pulse (fast → slow)        |           |
|    |                 | 085-089 | Shutter open                                 |           |
|    |                 | 090-104 | Strobe 3: closing pulse (fast → slow)        |           |
|    |                 | 105-109 | Shutter open                                 |           |
|    |                 | 110-124 | Strobe 4: random strobe (fast → slow)        |           |
|    |                 | 125-129 | Shutter open                                 |           |
|    |                 | 130-144 | Strobe 5: random opening pulse (fast → slow) |           |
|    |                 | 145-149 | Shutter open                                 |           |
|    |                 | 150-164 | Strobe 6: random closing pulse (fast → slow) |           |
|    |                 | 165-169 | Shutter open                                 |           |
|    |                 | 170-184 | Strobe 7: burst pulse (fast → slow)          |           |
|    |                 | 185-189 | Shutter open                                 |           |
|    |                 | 190-204 | Strobe 8: random burst pulse (fast → slow)   |           |
|    |                 | 205-209 | Shutter open                                 |           |
|    |                 | 210-224 | Strobe 9: sine wave (fast → slow)            |           |
|    |                 | 225-229 | Shutter open                                 |           |
|    |                 | 230-244 | Strobe 10: burst (fast → slow)               |           |
|    |                 | 245-255 | Shutter open                                 |           |
| 3  | Red             | 000-255 | 0 - 100%                                     |           |



# 07 DMX-KANALBELEGUNG

## 7.2 12CH DIRECT (Fortsetzung)

| CH        | Funktion                          | Wert    | Einstellung                                                 | Bemerkung              |
|-----------|-----------------------------------|---------|-------------------------------------------------------------|------------------------|
| <b>4</b>  | Green                             | 000-255 | 0 - 100%                                                    |                        |
| <b>5</b>  | Blue                              | 000-255 | 0 - 100%                                                    |                        |
| <b>6</b>  | Amber                             | 000-255 | 0 - 100%                                                    |                        |
| <b>7</b>  | White                             | 000-255 | 0 - 100%                                                    |                        |
| <b>8</b>  | CTC (affects RGBAW)               | 000-004 | 5600 K                                                      | According to CTC chart |
|           |                                   | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|           |                                   | 182-182 | 5600 K                                                      |                        |
|           |                                   | 226-226 | 6500 K                                                      |                        |
|           |                                   | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |
| <b>9</b>  | Tint (affects CTC and RGBAW)      | 000-127 | Magenta → Neutral                                           |                        |
|           |                                   | 128-128 | Neutral                                                     |                        |
|           |                                   | 129-255 | Neutral → Green                                             |                        |
| <b>10</b> | Color Macro (overrides RGBAW/CTC) | 000-255 | See colour macro chart                                      |                        |
| <b>11</b> | Color Macro Crossfade             | 000-005 | No function                                                 |                        |
|           |                                   | 006-105 | 0.1 s - 10 s (0.1 s steps)                                  |                        |
|           |                                   | 106-214 | 11 s - 119 s (1 s steps)                                    |                        |
|           |                                   | 215-244 | 2 m - 4 m 50 s (10 s steps)                                 |                        |
|           |                                   | 245-255 | 5 m - 15 m (1 m steps)                                      |                        |
| <b>12</b> | Device Settings *1                | 000-029 | No function                                                 |                        |
|           |                                   | 030-034 | Display backlight on (hold 3 s)                             |                        |

# 07 DMX-KANALBELEGUNG

## 7.2 12CH DIRECT (Fortsetzung)

| CH | Funktion                      | Wert    | Einstellung                                              | Bemerkung |
|----|-------------------------------|---------|----------------------------------------------------------|-----------|
| 12 | Device Settings *1<br>(cont.) | 035-039 | Display backlight off<br>(hold 3 s)                      |           |
|    |                               | 040-044 | No function                                              |           |
|    |                               | 045-049 | DMX fail: blackout<br>(hold 3 s)                         |           |
|    |                               | 050-054 | DMX fail: hold (hold 3<br>s)                             |           |
|    |                               | 055-059 | DMX fail: emergency<br>light (hold 3 s)                  |           |
|    |                               | 060-064 | No function                                              |           |
|    |                               | 065-069 | Linear dimmer curve<br>(hold 1.5 s)                      |           |
|    |                               | 070-074 | Exponential dimmer<br>curve (hold 1.5 s)                 |           |
|    |                               | 075-079 | Logarithmic dimmer<br>curve (hold 1.5 s)                 |           |
|    |                               | 080-084 | S-curve dimmer curve<br>(hold 1.5 s)                     |           |
|    |                               | 085-089 | No function                                              |           |
|    |                               | 090-094 | LED (fast) dimmer<br>response (hold 1.5 s)               |           |
|    |                               | 095-099 | Medium dimmer<br>response (hold 1.5 s)                   |           |
|    |                               | 100-104 | Halogen (slow)<br>dimmer response (hold<br>1.5 s)        |           |
|    |                               | 105-109 | No function                                              |           |
|    |                               | 110-114 | Redshift on (hold 1.5 s,<br>affects only 2700-3500<br>K) |           |
|    |                               | 115-119 | Redshift off (hold 1.5<br>s)                             |           |
|    |                               | 120-124 | No function                                              |           |
|    |                               | 125-129 | Full calibration<br>(colours & CCT, hold 3<br>s)         |           |
|    |                               | 130-134 | CCT calibration (RAW<br>colours, hold 3 s)               |           |

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## 7.2 12CH DIRECT (Fortsetzung)

| CH | Funktion                      | Wert    | Einstellung                            | Bemerkung                                                                       |
|----|-------------------------------|---------|----------------------------------------|---------------------------------------------------------------------------------|
| 12 | Device Settings *1<br>(cont.) | 135-139 | No function                            |                                                                                 |
|    |                               | 140-144 | LED frequency 800 Hz<br>(hold 3 s)     |                                                                                 |
|    |                               | 145-149 | LED frequency 1200 Hz<br>(hold 3 s)    |                                                                                 |
|    |                               | 150-154 | LED frequency 2000 Hz<br>(hold 3 s)    |                                                                                 |
|    |                               | 155-159 | LED frequency 3600 Hz<br>(hold 3 s)    |                                                                                 |
|    |                               | 160-164 | LED frequency 12 kHz<br>(hold 3 s)     |                                                                                 |
|    |                               | 165-169 | LED frequency 25 kHz<br>(hold 3 s)     |                                                                                 |
|    |                               | 170-174 | No function                            |                                                                                 |
|    |                               | 175-179 | Fan auto (hold 3 s)                    |                                                                                 |
|    |                               | 180-184 | Fan silent (hold 3 s)                  |                                                                                 |
|    |                               | 185-189 | Fan off (hold 3 s)                     |                                                                                 |
|    |                               | 190-194 | Fan high power (hold 3 s)              |                                                                                 |
|    |                               | 195-199 | No function                            |                                                                                 |
|    |                               | 200-214 | Invert mapping off<br>(hold 3 s)       |                                                                                 |
|    |                               | 215-219 | Invert mapping on<br>(hold 3 s)        |                                                                                 |
|    |                               | 220-224 | No function                            |                                                                                 |
|    |                               | 225-229 | LED mode: illumination<br>(hold 1.5 s) |                                                                                 |
|    |                               | 230-234 | LED mode: boost (hold 1.5 s)           |                                                                                 |
|    |                               | 235-239 | No function                            |                                                                                 |
|    |                               | 240-244 | Factory reset (hold 3 s)               | Reset only starts if the shutter channel is set to DMX 250                      |
|    |                               | 245-249 | User reset (hold 3 s)                  | Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX |
|    |                               | 250-255 | No function                            |                                                                                 |

## 7.2 17CH DIRECT

### 17CH DIRECT

| CH | Funktion      | Wert    | Einstellung                                  | Bemerkung |
|----|---------------|---------|----------------------------------------------|-----------|
| 1  | Master Dimmer | 000-255 | 0 - 100%                                     |           |
| 2  | Shutter       | 000-019 | Shutter closed                               |           |
|    |               | 020-024 | Shutter open                                 |           |
|    |               | 025-064 | Strobe 1 (fast → slow)                       |           |
|    |               | 065-069 | Shutter open                                 |           |
|    |               | 070-084 | Strobe 2: opening pulse (fast → slow)        |           |
|    |               | 085-089 | Shutter open                                 |           |
|    |               | 090-104 | Strobe 3: closing pulse (fast → slow)        |           |
|    |               | 105-109 | Shutter open                                 |           |
|    |               | 110-124 | Strobe 4: random strobe (fast → slow)        |           |
|    |               | 125-129 | Shutter open                                 |           |
|    |               | 130-144 | Strobe 5: random opening pulse (fast → slow) |           |
|    |               | 145-149 | Shutter open                                 |           |
|    |               | 150-164 | Strobe 6: random closing pulse (fast → slow) |           |
|    |               | 165-169 | Shutter open                                 |           |
|    |               | 170-184 | Strobe 7: burst pulse (fast → slow)          |           |
|    |               | 185-189 | Shutter open                                 |           |
|    |               | 190-204 | Strobe 8: random burst pulse (fast → slow)   |           |
|    |               | 205-209 | Shutter open                                 |           |
|    |               | 210-224 | Strobe 9: sine wave (fast → slow)            |           |

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## 7.2 17CH DIRECT (Fortsetzung)

| CH        | Funktion                         | Wert    | Einstellung                                                 | Bemerkung              |
|-----------|----------------------------------|---------|-------------------------------------------------------------|------------------------|
| <b>2</b>  | Shutter (cont.)                  | 225-229 | Shutter open                                                |                        |
|           |                                  | 230-244 | Strobe 10: burst (fast → slow)                              |                        |
|           |                                  | 245-255 | Shutter open                                                |                        |
| <b>3</b>  | Dimmer 1                         | 000-255 | 0 - 100%                                                    |                        |
| <b>4</b>  | Red 1                            | 000-255 | 0 - 100%                                                    |                        |
| <b>5</b>  | Green 1                          | 000-255 | 0 - 100%                                                    |                        |
| <b>6</b>  | Blue 1                           | 000-255 | 0 - 100%                                                    |                        |
| <b>7</b>  | Amber 1                          | 000-255 | 0 - 100%                                                    |                        |
| <b>8</b>  | White 1                          | 000-255 | 0 - 100%                                                    |                        |
| <b>9</b>  | Dimmer 2                         | 000-255 | 0 - 100%                                                    |                        |
| <b>10</b> | Red 2                            | 000-255 | 0 - 100%                                                    |                        |
| <b>11</b> | Green 2                          | 000-255 | 0 - 100%                                                    |                        |
| <b>12</b> | Blue 2                           | 000-255 | 0 - 100%                                                    |                        |
| <b>13</b> | Amber 2                          | 000-255 | 0 - 100%                                                    |                        |
| <b>14</b> | White 2                          | 000-255 | 0 - 100%                                                    |                        |
| <b>15</b> | CTC (affects RGBAW 1+2)          | 000-004 | 5600 K                                                      | According to CTC chart |
|           |                                  | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|           |                                  | 182-182 | 5600 K                                                      |                        |
|           |                                  | 226-226 | 6500 K                                                      |                        |
|           |                                  | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |
| <b>16</b> | Tint (affects CTC and RGBAW 1+2) | 000-127 | Magenta → Neutral                                           |                        |

# 07 DMX-KANALBELEGUNG

## 7.2 17CH DIRECT (Fortsetzung)

| CH | Funktion                                 | Wert    | Einstellung                                        | Bemerkung |
|----|------------------------------------------|---------|----------------------------------------------------|-----------|
| 16 | Tint (affects CTC and RGBAW 1+2) (cont.) | 128-128 | Neutral                                            |           |
|    |                                          | 129-255 | Neutral → Green                                    |           |
| 17 | Device Settings *1                       | 000-029 | No function                                        |           |
|    |                                          | 030-034 | Display backlight on (hold 3 s)                    |           |
|    |                                          | 035-039 | Display backlight off (hold 3 s)                   |           |
|    |                                          | 040-044 | No function                                        |           |
|    |                                          | 045-049 | DMX fail: blackout (hold 3 s)                      |           |
|    |                                          | 050-054 | DMX fail: hold (hold 3 s)                          |           |
|    |                                          | 055-059 | DMX fail: emergency light (hold 3 s)               |           |
|    |                                          | 060-064 | No function                                        |           |
|    |                                          | 065-069 | Linear dimmer curve (hold 1.5 s)                   |           |
|    |                                          | 070-074 | Exponential dimmer curve (hold 1.5 s)              |           |
|    |                                          | 075-079 | Logarithmic dimmer curve (hold 1.5 s)              |           |
|    |                                          | 080-084 | S-curve dimmer curve (hold 1.5 s)                  |           |
|    |                                          | 085-089 | No function                                        |           |
|    |                                          | 090-094 | LED (fast) dimmer response (hold 1.5 s)            |           |
|    |                                          | 095-099 | Medium dimmer response (hold 1.5 s)                |           |
|    |                                          | 100-104 | Halogen (slow) dimmer response (hold 1.5 s)        |           |
|    |                                          | 105-109 | No function                                        |           |
|    |                                          | 110-114 | Redshift on (hold 1.5 s, affects only 2700-3500 K) |           |
|    |                                          | 115-119 | Redshift off (hold 1.5 s)                          |           |

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## 7.2 17CH DIRECT (Fortsetzung)

| CH | Funktion                      | Wert    | Einstellung                                   | Bemerkung |
|----|-------------------------------|---------|-----------------------------------------------|-----------|
| 17 | Device Settings *1<br>(cont.) | 120-124 | No function                                   |           |
|    |                               | 125-129 | Full calibration<br>(colours & CCT, hold 3 s) |           |
|    |                               | 130-134 | CCT calibration (RAW<br>colours, hold 3 s)    |           |
|    |                               | 135-139 | No function                                   |           |
|    |                               | 140-144 | LED frequency 800 Hz<br>(hold 3 s)            |           |
|    |                               | 145-149 | LED frequency 1200 Hz<br>(hold 3 s)           |           |
|    |                               | 150-154 | LED frequency 2000 Hz<br>(hold 3 s)           |           |
|    |                               | 155-159 | LED frequency 3600 Hz<br>(hold 3 s)           |           |
|    |                               | 160-164 | LED frequency 12 kHz<br>(hold 3 s)            |           |
|    |                               | 165-169 | LED frequency 25 kHz<br>(hold 3 s)            |           |
|    |                               | 170-174 | No function                                   |           |
|    |                               | 175-179 | Fan auto (hold 3 s)                           |           |
|    |                               | 180-184 | Fan silent (hold 3 s)                         |           |
|    |                               | 185-189 | Fan off (hold 3 s)                            |           |
|    |                               | 190-194 | Fan high power (hold 3 s)                     |           |
|    |                               | 195-199 | No function                                   |           |
|    |                               | 200-214 | Invert mapping off<br>(hold 3 s)              |           |
|    |                               | 215-219 | Invert mapping on<br>(hold 3 s)               |           |
|    |                               | 220-224 | No function                                   |           |
|    |                               | 225-229 | LED mode: illumination<br>(hold 1.5 s)        |           |
|    |                               | 230-234 | LED mode: boost (hold<br>1.5 s)               |           |
|    |                               | 235-239 | No function                                   |           |

# 07 DMX-KANALBELEGUNG

## 7.2 28CH DIRECT

| CH | Funktion                      | Wert    | Einstellung              | Bemerkung                                                                       |
|----|-------------------------------|---------|--------------------------|---------------------------------------------------------------------------------|
| 17 | Device Settings *1<br>(cont.) | 240-244 | Factory reset (hold 3 s) | Reset only starts if the shutter channel is set to DMX 250                      |
|    |                               | 245-249 | User reset (hold 3 s)    | Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX |
|    |                               | 250-255 | No function              |                                                                                 |

## 28CH DIRECT

| CH | Funktion      | Wert    | Einstellung                                  | Bemerkung |
|----|---------------|---------|----------------------------------------------|-----------|
| 1  | Master Dimmer | 000-255 | 0 - 100%                                     |           |
| 2  | Shutter       | 000-019 | Shutter closed                               |           |
|    |               | 020-024 | Shutter open                                 |           |
|    |               | 025-064 | Strobe 1 (fast → slow)                       |           |
|    |               | 065-069 | Shutter open                                 |           |
|    |               | 070-084 | Strobe 2: opening pulse (fast → slow)        |           |
|    |               | 085-089 | Shutter open                                 |           |
|    |               | 090-104 | Strobe 3: closing pulse (fast → slow)        |           |
|    |               | 105-109 | Shutter open                                 |           |
|    |               | 110-124 | Strobe 4: random strobe (fast → slow)        |           |
|    |               | 125-129 | Shutter open                                 |           |
|    |               | 130-144 | Strobe 5: random opening pulse (fast → slow) |           |
|    |               | 145-149 | Shutter open                                 |           |
|    |               | 150-164 | Strobe 6: random closing pulse (fast → slow) |           |
|    |               | 165-169 | Shutter open                                 |           |



# 07 DMX-KANALBELEGUNG

## 7.2 28CH DIRECT (Fortsetzung)

| CH        | Funktion                | Wert    | Einstellung                                                 | Bemerkung                               |
|-----------|-------------------------|---------|-------------------------------------------------------------|-----------------------------------------|
| <b>2</b>  | Shutter (cont.)         | 170-184 | Strobe 7: burst pulse (fast → slow)                         |                                         |
|           |                         | 185-189 | Shutter open                                                |                                         |
|           |                         | 190-204 | Strobe 8: random burst pulse (fast → slow)                  |                                         |
|           |                         | 205-209 | Shutter open                                                |                                         |
|           |                         | 210-224 | Strobe 9: sine wave (fast → slow)                           |                                         |
|           |                         | 225-229 | Shutter open                                                |                                         |
|           |                         | 230-244 | Strobe 10: burst (fast → slow)                              |                                         |
|           |                         | 245-255 | Shutter open                                                |                                         |
| <b>3</b>  | Duration                | 000-255 | 0 - 100% (0 ms - 510 ms)                                    | Only affects Strobe 1 (Shutter 025-064) |
| <b>4</b>  | Dimmer 1                | 000-255 | 0 - 100%                                                    |                                         |
| <b>5</b>  | Red 1                   | 000-255 | 0 - 100%                                                    |                                         |
| <b>6</b>  | Green 1                 | 000-255 | 0 - 100%                                                    |                                         |
| <b>7</b>  | Blue 1                  | 000-255 | 0 - 100%                                                    |                                         |
| <b>8</b>  | Amber 1                 | 000-255 | 0 - 100%                                                    |                                         |
| <b>9</b>  | White 1                 | 000-255 | 0 - 100%                                                    |                                         |
| <b>10</b> | CTC 1 (affects RGBAW 1) | 000-004 | 5600 K                                                      | According to CTC chart                  |
|           |                         | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                                         |
|           |                         | 182-182 | 5600 K                                                      |                                         |
|           |                         | 226-226 | 6500 K                                                      |                                         |
|           |                         | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                                         |

# 07 DMX-KANALBELEGUNG

## 7.2 28CH DIRECT (Fortsetzung)

| CH | Funktion                                | Wert    | Einstellung                                                 | Bemerkung              |
|----|-----------------------------------------|---------|-------------------------------------------------------------|------------------------|
| 11 | Tint 1 (affects CTC 1 and RGBAW 1)      | 000-127 | Magenta → Neutral                                           |                        |
|    |                                         | 128-128 | Neutral                                                     |                        |
|    |                                         | 129-255 | Neutral → Green                                             |                        |
| 12 | Color Macro 1 (overrides RGBAW 1/CTC 1) | 000-255 | See colour macro chart                                      |                        |
| 13 | Color Macro Crossfade 1                 | 000-005 | No function                                                 |                        |
|    |                                         | 006-105 | 0.1 s - 10 s (0.1 s steps)                                  |                        |
|    |                                         | 106-214 | 11 s - 119 s (1 s steps)                                    |                        |
|    |                                         | 215-244 | 2 m - 4 m 50 s (10 s steps)                                 |                        |
|    |                                         | 245-255 | 5 m - 15 m (1 m steps)                                      |                        |
| 14 | Dimmer 2                                | 000-255 | 0 - 100%                                                    |                        |
| 15 | Red 2                                   | 000-255 | 0 - 100%                                                    |                        |
| 16 | Green 2                                 | 000-255 | 0 - 100%                                                    |                        |
| 17 | Blue 2                                  | 000-255 | 0 - 100%                                                    |                        |
| 18 | Amber 2                                 | 000-255 | 0 - 100%                                                    |                        |
| 19 | White 2                                 | 000-255 | 0 - 100%                                                    |                        |
| 20 | CTC 2 (affects RGBAW 2)                 | 000-004 | 5600 K                                                      | According to CTC chart |
|    |                                         | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|    |                                         | 182-182 | 5600 K                                                      |                        |
|    |                                         | 226-226 | 6500 K                                                      |                        |
|    |                                         | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |

# 07 DMX-KANALBELEGUNG

## 7.2 28CH DIRECT (Fortsetzung)

| CH | Funktion                                     | Wert    | Einstellung                 | Bemerkung |
|----|----------------------------------------------|---------|-----------------------------|-----------|
| 21 | Tint 2 (affects CTC 2 and RGBAW 2)           | 000-127 | Magenta → Neutral           |           |
|    |                                              | 128-128 | Neutral                     |           |
|    |                                              | 129-255 | Neutral → Green             |           |
| 22 | Color Macro 2 (overrides RGBAW 2/CTC 2)      | 000-255 | See colour macro chart      |           |
| 23 | Color Macro Crossfade 2                      | 000-005 | No function                 |           |
|    |                                              | 006-105 | 0.1 s - 10 s (0.1 s steps)  |           |
|    |                                              | 106-214 | 11 s - 119 s (1 s steps)    |           |
|    |                                              | 215-244 | 2 m - 4 m 50 s (10 s steps) |           |
|    |                                              | 245-255 | 5 m - 15 m (1 m steps)      |           |
| 24 | Effect (overrides RGB, CTC, Color Macro 1+2) | 000-015 | No function                 |           |
|    |                                              | 016-039 | Effect 1 (slow to fast)     |           |
|    |                                              | 040-063 | Effect 2 (slow to fast)     |           |
|    |                                              | 064-087 | Effect 3 (slow to fast)     |           |
|    |                                              | 088-111 | Effect 4 (slow to fast)     |           |
|    |                                              | 112-135 | Effect 5 (slow to fast)     |           |
|    |                                              | 136-159 | Effect 6 (slow to fast)     |           |
|    |                                              | 160-183 | Effect 7 (slow to fast)     |           |
|    |                                              | 184-207 | Effect 8 (slow to fast)     |           |
|    |                                              | 208-231 | Effect 9 (slow to fast)     |           |
|    |                                              | 232-255 | Effect 10 (slow to fast)    |           |

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## 7.2 28CH DIRECT (Fortsetzung)

| CH | Funktion           | Wert    | Einstellung                                     | Bemerkung                             |
|----|--------------------|---------|-------------------------------------------------|---------------------------------------|
| 25 | Dimmer Curve       | 000-051 | No function - current preset from menu settings |                                       |
|    |                    | 052-101 | Linear dimmer curve                             |                                       |
|    |                    | 102-152 | Exponential dimmer curve                        |                                       |
|    |                    | 153-203 | Logarithmic dimmer curve                        |                                       |
|    |                    | 204-255 | S-curve dimmer curve                            |                                       |
| 26 | Dimmer Response    | 000-063 | No function - current preset from menu settings |                                       |
|    |                    | 064-127 | LED / fast                                      |                                       |
|    |                    | 128-191 | Medium                                          |                                       |
|    |                    | 192-255 | Halogen / slow                                  |                                       |
| 27 | Redshift           | 000-084 | No function - current preset from menu settings | Redshift affects only CCT 2700-3500 K |
|    |                    | 085-170 | Redshift off                                    |                                       |
|    |                    | 171-255 | Redshift on                                     |                                       |
| 28 | Device Settings *1 | 000-029 | No function                                     |                                       |
|    |                    | 030-034 | Display backlight on (hold 3 s)                 |                                       |
|    |                    | 035-039 | Display backlight off (hold 3 s)                |                                       |
|    |                    | 040-044 | No function                                     |                                       |
|    |                    | 045-049 | DMX fail: blackout (hold 3 s)                   |                                       |
|    |                    | 050-054 | DMX fail: hold (hold 3 s)                       |                                       |
|    |                    | 055-059 | DMX fail: emergency light (hold 3 s)            |                                       |
|    |                    | 060-064 | No function                                     |                                       |
|    |                    | 065-069 | Linear dimmer curve (hold 1.5 s)                |                                       |

# 07 DMX-KANALBELEGUNG

## 7.2 28CH DIRECT (Fortsetzung)

| CH | Funktion                      | Wert    | Einstellung                                              | Bemerkung |
|----|-------------------------------|---------|----------------------------------------------------------|-----------|
| 28 | Device Settings *1<br>(cont.) | 070-074 | Exponential dimmer<br>curve (hold 1.5 s)                 |           |
|    |                               | 075-079 | Logarithmic dimmer<br>curve (hold 1.5 s)                 |           |
|    |                               | 080-084 | S-curve dimmer curve<br>(hold 1.5 s)                     |           |
|    |                               | 085-089 | No function                                              |           |
|    |                               | 090-094 | LED (fast) dimmer<br>response (hold 1.5 s)               |           |
|    |                               | 095-099 | Medium dimmer<br>response (hold 1.5 s)                   |           |
|    |                               | 100-104 | Halogen (slow)<br>dimmer response (hold<br>1.5 s)        |           |
|    |                               | 105-109 | No function                                              |           |
|    |                               | 110-114 | Redshift on (hold 1.5 s,<br>affects only 2700-3500<br>K) |           |
|    |                               | 115-119 | Redshift off (hold 1.5<br>s)                             |           |
|    |                               | 120-124 | No function                                              |           |
|    |                               | 125-129 | Full calibration<br>(colours & CCT, hold 3<br>s)         |           |
|    |                               | 130-134 | CCT calibration (RAW<br>colours, hold 3 s)               |           |
|    |                               | 135-139 | No function                                              |           |
|    |                               | 140-144 | LED frequency 800 Hz<br>(hold 3 s)                       |           |
|    |                               | 145-149 | LED frequency 1200 Hz<br>(hold 3 s)                      |           |
|    |                               | 150-154 | LED frequency 2000 Hz<br>(hold 3 s)                      |           |
|    |                               | 155-159 | LED frequency 3600 Hz<br>(hold 3 s)                      |           |
|    |                               | 160-164 | LED frequency 12 kHz<br>(hold 3 s)                       |           |
|    |                               | 165-169 | LED frequency 25 kHz<br>(hold 3 s)                       |           |

# 07 DMX-KANALBELEGUNG

## 7.2 41CH DIRECT

| CH | Funktion                      | Wert    | Einstellung                            | Bemerkung                                                                       |
|----|-------------------------------|---------|----------------------------------------|---------------------------------------------------------------------------------|
| 28 | Device Settings *1<br>(cont.) | 170-174 | No function                            |                                                                                 |
|    |                               | 175-179 | Fan auto (hold 3 s)                    |                                                                                 |
|    |                               | 180-184 | Fan silent (hold 3 s)                  |                                                                                 |
|    |                               | 185-189 | Fan off (hold 3 s)                     |                                                                                 |
|    |                               | 190-194 | Fan high power (hold 3 s)              |                                                                                 |
|    |                               | 195-199 | No function                            |                                                                                 |
|    |                               | 200-214 | Invert mapping off<br>(hold 3 s)       |                                                                                 |
|    |                               | 215-219 | Invert mapping on<br>(hold 3 s)        |                                                                                 |
|    |                               | 220-224 | No function                            |                                                                                 |
|    |                               | 225-229 | LED mode: illumination<br>(hold 1.5 s) |                                                                                 |
|    |                               | 230-234 | LED mode: boost (hold 1.5 s)           |                                                                                 |
|    |                               | 235-239 | No function                            |                                                                                 |
|    |                               | 240-244 | Factory reset (hold 3 s)               | Reset only starts if the shutter channel is set to DMX 250                      |
|    |                               | 245-249 | User reset (hold 3 s)                  | Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX |
|    |                               | 250-255 | No function                            |                                                                                 |

## 41CH DIRECT

| CH | Funktion           | Wert    | Einstellung    | Bemerkung |
|----|--------------------|---------|----------------|-----------|
| 1  | Master Dimmer      | 000-255 | 0 - 100%       |           |
| 2  | Master Dimmer Fine | 000-255 | 0 - 100%       |           |
| 3  | Shutter            | 000-019 | Shutter closed |           |
|    |                    | 020-024 | Shutter open   |           |

# 07 DMX-KANALBELEGUNG

## 7.2 41CH DIRECT (Fortsetzung)

| CH | Funktion        | Wert    | Einstellung                                  | Bemerkung                               |
|----|-----------------|---------|----------------------------------------------|-----------------------------------------|
| 3  | Shutter (cont.) | 025-064 | Strobe 1 (fast → slow)                       |                                         |
|    |                 | 065-069 | Shutter open                                 |                                         |
|    |                 | 070-084 | Strobe 2: opening pulse (fast → slow)        |                                         |
|    |                 | 085-089 | Shutter open                                 |                                         |
|    |                 | 090-104 | Strobe 3: closing pulse (fast → slow)        |                                         |
|    |                 | 105-109 | Shutter open                                 |                                         |
|    |                 | 110-124 | Strobe 4: random strobe (fast → slow)        |                                         |
|    |                 | 125-129 | Shutter open                                 |                                         |
|    |                 | 130-144 | Strobe 5: random opening pulse (fast → slow) |                                         |
|    |                 | 145-149 | Shutter open                                 |                                         |
|    |                 | 150-164 | Strobe 6: random closing pulse (fast → slow) |                                         |
|    |                 | 165-169 | Shutter open                                 |                                         |
|    |                 | 170-184 | Strobe 7: burst pulse (fast → slow)          |                                         |
|    |                 | 185-189 | Shutter open                                 |                                         |
|    |                 | 190-204 | Strobe 8: random burst pulse (fast → slow)   |                                         |
|    |                 | 205-209 | Shutter open                                 |                                         |
|    |                 | 210-224 | Strobe 9: sine wave (fast → slow)            |                                         |
|    |                 | 225-229 | Shutter open                                 |                                         |
|    |                 | 230-244 | Strobe 10: burst (fast → slow)               |                                         |
|    |                 | 245-255 | Shutter open                                 |                                         |
| 4  | Duration        | 000-255 | 0 - 100% (0 ms - 510 ms)                     | Only affects Strobe 1 (Shutter 025-064) |

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## 7.2 41CH DIRECT (Fortsetzung)

| CH        | Funktion                           | Wert    | Einstellung                                                 | Bemerkung              |
|-----------|------------------------------------|---------|-------------------------------------------------------------|------------------------|
| <b>5</b>  | Dimmer 1                           | 000-255 | 0 - 100%                                                    |                        |
| <b>6</b>  | Dimmer 1 Fine                      | 000-255 | 0 - 100%                                                    |                        |
| <b>7</b>  | Red 1                              | 000-255 | 0 - 100%                                                    |                        |
| <b>8</b>  | Red 1 Fine                         | 000-255 | 0 - 100%                                                    |                        |
| <b>9</b>  | Green 1                            | 000-255 | 0 - 100%                                                    |                        |
| <b>10</b> | Green 1 Fine                       | 000-255 | 0 - 100%                                                    |                        |
| <b>11</b> | Blue 1                             | 000-255 | 0 - 100%                                                    |                        |
| <b>12</b> | Blue 1 Fine                        | 000-255 | 0 - 100%                                                    |                        |
| <b>13</b> | Amber 1                            | 000-255 | 0 - 100%                                                    |                        |
| <b>14</b> | Amber 1 Fine                       | 000-255 | 0 - 100%                                                    |                        |
| <b>15</b> | White 1                            | 000-255 | 0 - 100%                                                    |                        |
| <b>16</b> | White 1 Fine                       | 000-255 | 0 - 100%                                                    |                        |
| <b>17</b> | CTC 1 (affects RGBAW 1)            | 000-004 | 5600 K                                                      | According to CTC chart |
|           |                                    | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)    |                        |
|           |                                    | 182-182 | 5600 K                                                      |                        |
|           |                                    | 226-226 | 6500 K                                                      |                        |
|           |                                    | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |                        |
| <b>18</b> | Tint 1 (affects CTC 1 and RGBAW 1) | 000-127 | Magenta → Neutral                                           |                        |
|           |                                    | 128-128 | Neutral                                                     |                        |
|           |                                    | 129-255 | Neutral → Green                                             |                        |



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## 7.2 41CH DIRECT (Fortsetzung)

| CH | Funktion                                   | Wert    | Einstellung                                              | Bemerkung              |
|----|--------------------------------------------|---------|----------------------------------------------------------|------------------------|
| 19 | Color Macro 1<br>(overrides RGBAW 1/CTC 1) | 000-255 | See colour macro chart                                   |                        |
| 20 | Color Macro Crossfade 1                    | 000-005 | No function                                              |                        |
|    |                                            | 006-105 | 0.1 s - 10 s (0.1 s steps)                               |                        |
|    |                                            | 106-214 | 11 s - 119 s (1 s steps)                                 |                        |
|    |                                            | 215-244 | 2 m - 4 m 50 s (10 s steps)                              |                        |
|    |                                            | 245-255 | 5 m - 15 m (1 m steps)                                   |                        |
| 21 | Dimmer 2                                   | 000-255 | 0 - 100%                                                 |                        |
| 22 | Dimmer 2 Fine                              | 000-255 | 0 - 100%                                                 |                        |
| 23 | Red 2                                      | 000-255 | 0 - 100%                                                 |                        |
| 24 | Red 2 Fine                                 | 000-255 | 0 - 100%                                                 |                        |
| 25 | Green 2                                    | 000-255 | 0 - 100%                                                 |                        |
| 26 | Green 2 Fine                               | 000-255 | 0 - 100%                                                 |                        |
| 27 | Blue 2                                     | 000-255 | 0 - 100%                                                 |                        |
| 28 | Blue 2 Fine                                | 000-255 | 0 - 100%                                                 |                        |
| 29 | Amber 2                                    | 000-255 | 0 - 100%                                                 |                        |
| 30 | Amber 2 Fine                               | 000-255 | 0 - 100%                                                 |                        |
| 31 | White 2                                    | 000-255 | 0 - 100%                                                 |                        |
| 32 | White 2 Fine                               | 000-255 | 0 - 100%                                                 |                        |
| 33 | CTC 2 (affects RGBAW 2)                    | 000-004 | 5600 K                                                   | According to CTC chart |
|    |                                            | 005-182 | 2000 K - 6500 K, linear in 20-21 K steps (see CTC chart) |                        |
|    |                                            | 182-182 | 5600 K                                                   |                        |

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## 7.2 41CH DIRECT (Fortsetzung)

| CH        | Funktion                                     | Wert    | Einstellung                                                 | Bemerkung |
|-----------|----------------------------------------------|---------|-------------------------------------------------------------|-----------|
| <b>33</b> | CTC 2 (affects RGBAW 2) (cont.)              | 226-226 | 6500 K                                                      |           |
|           |                                              | 227-255 | 6621 K - 10000 K, linear in 120-121 K steps (see CTC chart) |           |
| <b>34</b> | Tint 2 (affects CTC 2 and RGBAW 2)           | 000-127 | Magenta → Neutral                                           |           |
|           |                                              | 128-128 | Neutral                                                     |           |
|           |                                              | 129-255 | Neutral → Green                                             |           |
| <b>35</b> | Color Macro 2 (overrides RGBAW 2/CTC 2)      | 000-255 | See colour macro chart                                      |           |
| <b>36</b> | Color Macro Crossfade 2                      | 000-005 | No function                                                 |           |
|           |                                              | 006-105 | 0.1 s - 10 s (0.1 s steps)                                  |           |
|           |                                              | 106-214 | 11 s - 119 s (1 s steps)                                    |           |
|           |                                              | 215-244 | 2 m - 4 m 50 s (10 s steps)                                 |           |
|           |                                              | 245-255 | 5 m - 15 m (1 m steps)                                      |           |
| <b>37</b> | Effect (overrides RGB, CTC, Color Macro 1+2) | 000-015 | No function                                                 |           |
|           |                                              | 016-039 | Effect 1 (slow to fast)                                     |           |
|           |                                              | 040-063 | Effect 2 (slow to fast)                                     |           |
|           |                                              | 064-087 | Effect 3 (slow to fast)                                     |           |
|           |                                              | 088-111 | Effect 4 (slow to fast)                                     |           |
|           |                                              | 112-135 | Effect 5 (slow to fast)                                     |           |
|           |                                              | 136-159 | Effect 6 (slow to fast)                                     |           |
|           |                                              | 160-183 | Effect 7 (slow to fast)                                     |           |
|           |                                              | 184-207 | Effect 8 (slow to fast)                                     |           |

# 07 DMX-KANALBELEGUNG

## 7.2 41CH DIRECT (Fortsetzung)

| CH | Funktion                                             | Wert    | Einstellung                                     | Bemerkung                             |
|----|------------------------------------------------------|---------|-------------------------------------------------|---------------------------------------|
| 37 | Effect (overrides RGB, CTC, Color Macro 1+2) (cont.) | 208-231 | Effect 9 (slow to fast)                         |                                       |
|    |                                                      | 232-255 | Effect 10 (slow to fast)                        |                                       |
| 38 | Dimmer Curve                                         | 000-051 | No function - current preset from menu settings |                                       |
|    |                                                      | 052-101 | Linear dimmer curve                             |                                       |
|    |                                                      | 102-152 | Exponential dimmer curve                        |                                       |
|    |                                                      | 153-203 | Logarithmic dimmer curve                        |                                       |
|    |                                                      | 204-255 | S-curve dimmer curve                            |                                       |
| 39 | Dimmer Response                                      | 000-063 | No function - current preset from menu settings |                                       |
|    |                                                      | 064-127 | LED / fast                                      |                                       |
|    |                                                      | 128-191 | Medium                                          |                                       |
|    |                                                      | 192-255 | Halogen / slow                                  |                                       |
| 40 | Redshift                                             | 000-084 | No function - current preset from menu settings | Redshift affects only CCT 2700-3500 K |
|    |                                                      | 085-170 | Redshift off                                    |                                       |
|    |                                                      | 171-255 | Redshift on                                     |                                       |
| 41 | Device Settings *1                                   | 000-029 | No function                                     |                                       |
|    |                                                      | 030-034 | Display backlight on (hold 3 s)                 |                                       |
|    |                                                      | 035-039 | Display backlight off (hold 3 s)                |                                       |
|    |                                                      | 040-044 | No function                                     |                                       |
|    |                                                      | 045-049 | DMX fail: blackout (hold 3 s)                   |                                       |
|    |                                                      | 050-054 | DMX fail: hold (hold 3 s)                       |                                       |
|    |                                                      | 055-059 | DMX fail: emergency light (hold 3 s)            |                                       |

# 07 DMX-KANALBELEGUNG

## 7.2 41CH DIRECT (Fortsetzung)

| CH | Funktion                      | Wert    | Einstellung                                              | Bemerkung |
|----|-------------------------------|---------|----------------------------------------------------------|-----------|
| 41 | Device Settings *1<br>(cont.) | 060-064 | No function                                              |           |
|    |                               | 065-069 | Linear dimmer curve<br>(hold 1.5 s)                      |           |
|    |                               | 070-074 | Exponential dimmer<br>curve (hold 1.5 s)                 |           |
|    |                               | 075-079 | Logarithmic dimmer<br>curve (hold 1.5 s)                 |           |
|    |                               | 080-084 | S-curve dimmer curve<br>(hold 1.5 s)                     |           |
|    |                               | 085-089 | No function                                              |           |
|    |                               | 090-094 | LED (fast) dimmer<br>response (hold 1.5 s)               |           |
|    |                               | 095-099 | Medium dimmer<br>response (hold 1.5 s)                   |           |
|    |                               | 100-104 | Halogen (slow)<br>dimmer response (hold<br>1.5 s)        |           |
|    |                               | 105-109 | No function                                              |           |
|    |                               | 110-114 | Redshift on (hold 1.5 s,<br>affects only 2700-3500<br>K) |           |
|    |                               | 115-119 | Redshift off (hold 1.5<br>s)                             |           |
|    |                               | 120-124 | No function                                              |           |
|    |                               | 125-129 | Full calibration<br>(colours & CCT, hold 3<br>s)         |           |
|    |                               | 130-134 | CCT calibration (RAW<br>colours, hold 3 s)               |           |
|    |                               | 135-139 | No function                                              |           |
|    |                               | 140-144 | LED frequency 800 Hz<br>(hold 3 s)                       |           |
|    |                               | 145-149 | LED frequency 1200 Hz<br>(hold 3 s)                      |           |
|    |                               | 150-154 | LED frequency 2000 Hz<br>(hold 3 s)                      |           |
|    |                               | 155-159 | LED frequency 3600 Hz<br>(hold 3 s)                      |           |

# 07 DMX-KANALBELEGUNG

## 7.2 41CH DIRECT (Fortsetzung)

| CH        | Funktion                      | Wert    | Einstellung                            | Bemerkung                                                                                 |
|-----------|-------------------------------|---------|----------------------------------------|-------------------------------------------------------------------------------------------|
| <b>41</b> | Device Settings *1<br>(cont.) | 160-164 | LED frequency 12 kHz<br>(hold 3 s)     |                                                                                           |
|           |                               | 165-169 | LED frequency 25 kHz<br>(hold 3 s)     |                                                                                           |
|           |                               | 170-174 | No function                            |                                                                                           |
|           |                               | 175-179 | Fan auto (hold 3 s)                    |                                                                                           |
|           |                               | 180-184 | Fan silent (hold 3 s)                  |                                                                                           |
|           |                               | 185-189 | Fan off (hold 3 s)                     |                                                                                           |
|           |                               | 190-194 | Fan high power (hold 3<br>s)           |                                                                                           |
|           |                               | 195-199 | No function                            |                                                                                           |
|           |                               | 200-214 | Invert mapping off<br>(hold 3 s)       |                                                                                           |
|           |                               | 215-219 | Invert mapping on<br>(hold 3 s)        |                                                                                           |
|           |                               | 220-224 | No function                            |                                                                                           |
|           |                               | 225-229 | LED mode: illumination<br>(hold 1.5 s) |                                                                                           |
|           |                               | 230-234 | LED mode: boost (hold<br>1.5 s)        |                                                                                           |
|           |                               | 235-239 | No function                            |                                                                                           |
|           |                               | 240-244 | Factory reset (hold 3 s)               | Reset only starts if the<br>shutter channel is set<br>to DMX 250                          |
|           |                               | 245-249 | User reset (hold 3 s)                  | Reset only starts if the<br>shutter channel is set<br>to DMX 250, no self-<br>test by DMX |
|           |                               | 250-255 | No function                            |                                                                                           |

## 8.1 Wartung

Regelmäßige Wartung verlängert die Lebensdauer des Geräts erheblich. In rauer Umgebung oder bei längerer Lagerung sammeln sich Wasser und Staub auf Linsenabdeckung und Gehäuse. Reinigen Sie das Gerät in diesem Fall, um die Lichtleistung zu erhalten und Korrosion des Gehäuses durch Staub und aggressive Gase zu vermeiden.

Die Häufigkeit der Reinigung richtet sich nach Einsatzdauer und Umgebung. Reinigen Sie das Gerät vorsichtig mit einem weichen Tuch und handelsüblichem Glasreiniger – mindestens alle 20 Tage.

**Achtung:** Wischen Sie das Gehäuse nicht mit organischen Lösungsmitteln wie Alkohol ab – Beschädigungsgefahr.

## 8.2 Allgemeine Fehlerbehebung

| Störung                                                     | Mögliche Ursache                                                                                                                                                                                                                                                                                                                                                                | Abhilfe                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Keine Menüanzeige                                           | <ol style="list-style-type: none"> <li>1. Keine Netzspannung</li> <li>2. Schaltnetzteil beschädigt</li> <li>3. Displayplatine defekt</li> </ol>                                                                                                                                                                                                                                 | <ol style="list-style-type: none"> <li>1. Netzleitung prüfen</li> <li>2. Ausgangsspannung des Schaltnetzteils prüfen</li> <li>3. Displayplatine tauschen</li> </ol>                                                                                                                                                                                |
| DMX-Signal ohne Funktion                                    | <ol style="list-style-type: none"> <li>1. DMX-Leitung defekt</li> <li>2. Falsche Adernbelegung der Signalleitung</li> <li>3. Empfänger-IC am Signaleingang beschädigt</li> <li>4. DMX-Adresse stimmt nicht mit dem Pult überein</li> <li>5. Weitere Parameter falsch gesetzt</li> <li>6. Eingabe im Menü nicht mit ENTER bestätigt bzw. Menü nicht mit ESC verlassen</li> </ol> | <ol style="list-style-type: none"> <li>1. Signalleitung prüfen oder tauschen</li> <li>2. Adernbelegung der Signalleitung prüfen</li> <li>3. Empfänger-IC und die beiden Widerstände an der Signalleitung prüfen</li> <li>4. Adresse prüfen bzw. neu setzen oder Werkseinstellungen laden</li> <li>5. Mit ESC zum Hauptmenü zurückkehren</li> </ol> |
| Gehäusetemperatur über 75 °C, Temperaturschutz greift nicht | <ol style="list-style-type: none"> <li>1. Thermistor auf der LED-Platine defekt</li> <li>2. Temperaturüberwachung auf der Displayplatine defekt</li> </ol>                                                                                                                                                                                                                      | <ol style="list-style-type: none"> <li>1. Thermistor ersetzen</li> <li>2. Temperaturüberwachung auf der Hauptplatine prüfen</li> </ol>                                                                                                                                                                                                             |
| Ungleichmäßige Farbmischung, fleckiges Lichtbild            | <ol style="list-style-type: none"> <li>1. LED fehlerhaft verlötet</li> <li>2. Linse oder Halterung nicht korrekt montiert</li> </ol>                                                                                                                                                                                                                                            | <ol style="list-style-type: none"> <li>1. Lötstellen der LEDs prüfen</li> <li>2. Linsenmontage prüfen, Ausrichtung der Halterung korrigieren</li> </ol>                                                                                                                                                                                            |
| LEDs ohne Funktion oder flackernd                           | LED beschädigt oder Treiberplatine ohne Stromausgang                                                                                                                                                                                                                                                                                                                            | <ol style="list-style-type: none"> <li>1. LED ersetzen</li> <li>2. Verkabelung der Treiberplatine prüfen</li> <li>3. Zugehörigen Treiber-IC tauschen</li> </ol>                                                                                                                                                                                    |
| Parameter werden nicht gespeichert                          | Speicher-IC defekt                                                                                                                                                                                                                                                                                                                                                              | Speicher-IC ersetzen                                                                                                                                                                                                                                                                                                                               |
| Gerät ohne Funktion                                         | Temperaturschutz nach Überhitzung ausgelöst; Schaltnetzteil arbeitet nicht                                                                                                                                                                                                                                                                                                      | Gerät abkühlen lassen und erneut einschalten                                                                                                                                                                                                                                                                                                       |

## 9.1 Technische Parameter

| Allgemein               |                                                                              |
|-------------------------|------------------------------------------------------------------------------|
| Artikelnummer           | led26900                                                                     |
| Produkt                 | Expolite TourBlinder 600 FC                                                  |
| Optik                   |                                                                              |
| Lichtquelle             | 2× 300 W LED (Rot, Grün, Blau, Amber, Warmweiß)                              |
| Beleuchtungsstärke      | 26 000 lx @ 1 m; 3 400 lx @ 3 m; 1 500 lx @ 5 m; 820 lx @ 7 m; 399 lx @ 10 m |
| Farbtemperatur          | 2 000 K – 10 000 K (±100 K)                                                  |
| Optisches System        | Reflektor mit Verbundokularlinse                                             |
| Farbwiedergabeindex     | Ra ≥ 86                                                                      |
| Dominante Wellenlängen  | R 630 nm / G 529 nm / B 461 nm                                               |
| Lebensdauer Lichtquelle | 50 000 h                                                                     |
| Abstrahlwinkel (50 %)   | 50°                                                                          |
| Max. Feldwinkel (10 %)  | 87°                                                                          |
| Pixelmatrix             | Punktsteuerung / Gesamtsteuerung                                             |
| Stroboskop              | 0–20 Hz                                                                      |
| Stromversorgung         |                                                                              |
| Eingangsspannung        | 100–240 V AC, 50–60 Hz                                                       |
| Leistungsaufnahme       | max. 610 W; konstant 220 W                                                   |
| Leistungsfaktor         | 0,95 (230 V)                                                                 |
| Netzanschluss           | Wasserdichter Ein-/Ausgang, max. 6 Geräte @ 230 V                            |
| Signalanschluss         | 3-polig, wasserdicht, Ein-/Ausgang, max. 32 Geräte                           |
| Umgebungstemperatur     | –20 °C bis +45 °C                                                            |

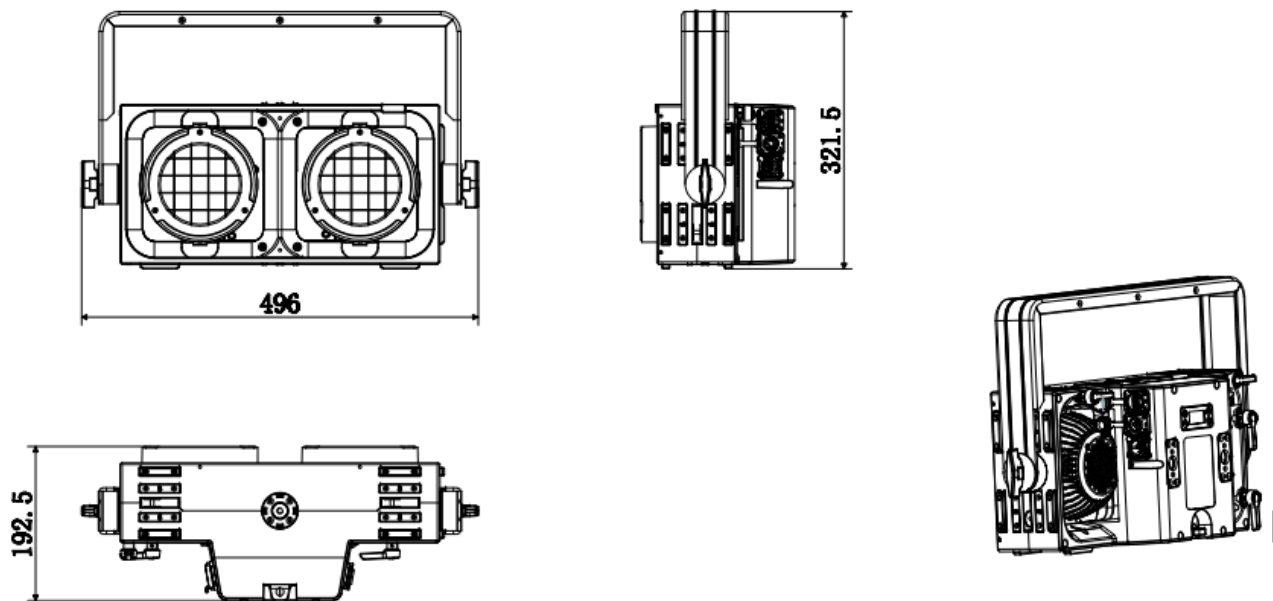


## 9.1 Technische Parameter (Fortsetzung)

| Konfiguration           |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Abmessungen (B × H × T) | 496 × 321,5 × 192,5 mm                                                                                                                                                                                                                |
| Gewicht                 | 10,3 kg                                                                                                                                                                                                                               |
| Schutzart               | IP65                                                                                                                                                                                                                                  |
| Kühlung                 | Lüfter                                                                                                                                                                                                                                |
| Gehäuse                 | Aluminium-Druckguss, Schwarz                                                                                                                                                                                                          |
| Montage                 | Stehend, hängend vertikal, hängend seitlich                                                                                                                                                                                           |
| Steuerung               |                                                                                                                                                                                                                                       |
| Steuerung               | DMX512 / RDM (kabelgebunden)                                                                                                                                                                                                          |
| DMX-Modi                | 1CH DWE, 2CH DWE, 4CH DWE, 9CH DWE+, 6CH STROBE, 6CH RGB, 10CH BASIC RGB, 14CH BASIC RGB, 13CH STANDARD RGB, 22CH STANDARD RGB, 24CH EXTENDED RGB, 33CH EXTENDED RGB, 10CH DIRECT, 12CH DIRECT, 17CH DIRECT, 28CH DIRECT, 41CH DIRECT |
| Display                 | OLED-Display mit 4 Tasten                                                                                                                                                                                                             |
| LED-Frequenz            | 800 / 1 200 / 2 000 / 3 600 / 12 000 / 25 000 Hz                                                                                                                                                                                      |
| Dimmer-Response         | LED / Medium / Halogen                                                                                                                                                                                                                |
| Dimmerkurven            | Linear / Exponentiell / Logarithmisch / S-Kurve                                                                                                                                                                                       |
| Lieferumfang            |                                                                                                                                                                                                                                       |
| Netzkabel (wasserdicht) | 1 Stück                                                                                                                                                                                                                               |
| Bedienungsanleitung     | 1 Stück                                                                                                                                                                                                                               |

## 10.1 Abmessungen

Alle Maßangaben in Millimetern.





# **NOCH FRAGEN ODER FEEDBACK?**

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